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Golden Bears and Pandas Athletics Schedule 2006-2007

GOLDEN BEARS & PANDAS BASKETBALL

PANDAS	GOLDEN BEARS
NON CONFERENCE GAMES / TOURNAMENTS	
Oct 13 - 15	@ Bishop's
Oct 20 - 22	Pandas Hoopfest
Oct 27 - 29	@ Regina
Dec 27 - 31	@ San Diego
Dec 28 - 30	Golden Bears Invitational
CANADA WEST CONFERENCE GAMES	
Fri Nov 03, 06	6:00 PM Thompson Rivers
Sat Nov 04, 06	6:00 PM Fraser Valley
Nov 10 - 11	8:00 PM @ Saskatchewan
Fri Nov 17, 06	6:15 PM @ Regina
Sat Nov 18, 06	6:00 PM @ Brandon
Fri Nov 24, 06	6:00 PM @ Calgary
Sat Nov 25, 06	6:00 PM @ Calgary
Fri Dec 01, 06	6:00 PM Lethbridge
Sat Dec 02, 06	6:00 PM Lethbridge
Jan 5 - 6	8:00 PM @ Calgary
Fri Jan 12, 07	6:00 PM @ Winnipeg
Sat Jan 13, 07	6:00 PM @ Manitoba
Fri Jan 19, 07	6:15 PM @ Simon Fraser
Sat Jan 20, 07	6:00 PM @ Trinity Western
Fri Jan 26, 07	6:00 PM @ Saskatchewan
Sat Jan 27, 07	6:00 PM @ Saskatchewan
Fri Feb 02, 07	6:00 PM British Columbia
Sat Feb 03, 07	6:00 PM Victoria
Feb 9 - 10	6:30 PM @ Lethbridge
CANADA WEST PLAYOFFS (dates subject to change)	
Feb 16 - 18	CW Division Semi-Finals
Feb 23 - 25	CW Division Finals
Mar 2 - 3	CW Final Four
CIS NATIONAL CHAMPIONSHIP	
Mar 9 - 11	@ St. John's (Memorial)
Mar 16 - 18	@ Halifax

GOLDEN BEARS HOCKEY

NON CONFERENCE GAMES / TOURNAMENTS	
Tue Sep 12, 06	7:00 PM @ Orlers Rockies
Sep 22 - 23	@ Huskie Invitational
Sep 29 - 30	4PM & 7 PM @ Brick Invitational
CANADA WEST CONFERENCE GAMES	
Oct 6 - 7	7:00 PM @ Regina
Fri Oct 13, 06	7:30 PM @ Calgary
Sat Oct 14, 06	7:30 PM @ Calgary
Oct 20 - 21	7:30 PM @ UBC
Fri Oct 27, 06	7:30 PM @ Manitoba
Sat Oct 28, 06	7:30 PM @ Regina
Fri Nov 10, 06	7:30 PM @ Regina
Sat Nov 11, 06	7:30 PM @ Saskatchewan
Nov 17 - 18	7:00 PM @ UBC
Nov 24 - 25	7:30 PM @ Calgary
Fri Dec 01, 06	7:00 PM @ Lethbridge
Sat Dec 02, 06	7:30 PM @ Lethbridge
Jan 5 - 6	7:00 PM @ Lethbridge
Jan 12 - 13	7:00 PM @ Saskatchewan
Fri Jan 19, 07	7:30 PM @ Saskatchewan
Sat Jan 20, 07	7:30 PM @ Lethbridge
Fri Feb 02, 07	7:30 PM @ Lethbridge
Sat Feb 03, 07	7:30 PM @ Calgary
Fri Feb 09, 07	7:30 PM @ Calgary
Sat Feb 10, 07	7:00 PM @ UBC
Fri Feb 16, 07	7:30 PM @ UBC
Sat Feb 17, 07	7:30 PM @ UBC
CANADA WEST PLAYOFFS (dates subject to change)	
Feb 23 - 25	CW Quarter Finals
Mar 2 - 4	CW Semi-Finals
Mar 9 - 11	CW Finals
CIS NATIONAL CHAMPIONSHIP	
Mar 22 - 25	@ Moncton

PANDAS HOCKEY

NON CONFERENCE GAMES / TOURNAMENTS	
Sat Sep 16, 06	1:00 PM @ Edmonton Chimios
Sun Sep 17, 06	1:00 PM @ MacEwan
Fri Sep 22, 06	TBA @ SAIT @ Canmore
Sep 29 - Oct 1	@ Marion Hillard Tournament (Toronto)
Dec 21 - 23	@ U of A Christmas Tournament - Clare Drake Arena
CANADA WEST CONFERENCE GAMES	
Fri Oct 06, 06	7:00 PM @ Regina
Sat Oct 07, 06	7:00 PM @ Regina
Oct 13 - 14	7:00 PM vs UBC @ Port Alberni & Campbell River
Fri Oct 20, 06	7:00 PM @ Lethbridge
Sat Oct 21, 06	7:00 PM @ Lethbridge
Nov 3 - 4	7:00 PM @ Manitoba
Fri Nov 17, 06	7:00 PM @ Saskatchewan
Sat Nov 18, 06	7:00 PM @ Saskatchewan
Sat Nov 24, 06	7:00 PM @ UBC
Sat Nov 25, 06	7:00 PM @ UBC
Dec 1 - 2	7:00 PM @ Lethbridge
Fri Jan 05, 07	7:00 PM @ Manitoba
Sat Jan 06, 07	7:00 PM @ Manitoba
Jan 19 - 20	7:00 PM @ Saskatchewan
Fri Jan 26, 07	7:00 PM @ Lethbridge
Sat Jan 27, 07	7:00 PM @ Lethbridge
Feb 2 - 3	7:00 PM @ Regina
Feb 9 - 10	7:00 PM vs UBC @ Prince George
CANADA WEST PLAYOFFS (dates subject to change)	
Feb 23 - 25	CW Semi-Finals
Mar 8 - 10	CW Finals
CIS NATIONAL CHAMPIONSHIP	
Mar 15 - 18	@ Ottawa

GOLDEN BEARS FOOTBALL

CANADA WEST CONFERENCE GAMES	
Sat Sep 02, 06	1:30 PM @ Saskatchewan
Sat Sep 09, 06	12:00 PM @ Calgary
Sat Sep 16, 06	1:00 PM @ UBC
Sat Sep 23, 06	2:00 PM @ Manitoba
Sun Oct 01, 06	7:00 PM @ Simon Fraser
Sat Oct 14, 06	7:00 PM @ Calgary
Sat Oct 21, 06	7:00 PM @ Saskatchewan
Sat Oct 28, 06	7:00 PM @ Regina
CANADA WEST PLAYOFFS (dates subject to change)	
Sat Nov 04, 06	CW Semi Finals
Sat Nov 11, 06	CW Final
Sat Nov 18, 06	CIS Semi-Final - CW @ OUA
POTASH CORP VANIER CUP	
Sat Nov 25, 06	@ Saskatchewan
Football / Soccer played at Foote Field - 114 St. & 67 Ave	
Basketball / Volleyball played at Main Gym - 87 Ave & 114 St.	
Golden Bears and Pandas Hockey played at Clare Drake Arena - 115 St. & 88 Ave	

HOME GAMES



GOLDEN BEARS & PANDAS SOCCER

PANDAS	GOLDEN BEARS
NON CONFERENCE GAMES / TOURNAMENTS	
Aug 26 - 27	@ Lethbridge
CANADA WEST CONFERENCE GAMES	
Fri Sep 08, 06	2:00 PM Lethbridge
Sun Sep 10, 06	12:00 PM @ Calgary
Sep 16 - 17	12:00 PM @ Saskatchewan
Sat Sep 23, 06	2:00 PM @ Regina / Fraser Valley
Sun Sep 24, 06	2:00 PM @ Manitoba / TWU
Sat Sep 30, 06	12:00 PM vs UBC / @ UBC
Sun Oct 01, 06	12:00 PM vs Victoria / @ Victoria
Sat Oct 14, 06	12:00 PM @ Calgary
Sun Oct 15, 06	12:00 PM @ Lethbridge
Sat Oct 21, 06	12:00 PM @ Regina / UBC
Sun Oct 22, 06	12:00 PM @ Manitoba / Victoria
Fri Oct 27, 06	6:00 PM @ Fraser Valley
Sat Oct 28, 06	5:00 PM @ Trinity Western
CANADA WEST PLAYOFFS (dates subject to change)	
Nov 2 - 5	CW Finals @ Regina
Nov 4 - 5	CW Finals @ TBA
CIS NATIONAL CHAMPIONSHIP	
Nov 9 - 12	@ Victoria
Nov 9 - 12	@ Edmonton

GOLDEN BEARS & PANDAS VOLLEYBALL

PANDAS	GOLDEN BEARS
NON CONFERENCE GAMES / TOURNAMENTS	
Sep 22 - 23	@ TWU
Oct 12 - 14	Husky Energy Can Am Challenge
Oct 13 - 14	@ Laval
Oct 19 - 21	@ Manitoba
Dec 28 - Jan 2	@ (1) South Invitational
CANADA WEST CONFERENCE GAMES	
Fri Oct 27, 06	8:00 PM @ Brandon
Sat Oct 28, 06	6:30 PM @ Brandon
Nov 3 - 4	6:00 / 8:00 @ Regina
Fri Nov 10, 06	8:00 PM @ Winnipeg
Sat Nov 11, 06	6:30 PM @ Saskatchewan
Nov 23 - 24	6:15 PM @ Calgary / @ Manitoba
Sat Dec 02, 06	2:00 PM @ Manitoba
Sun Dec 03, 06	7:00 PM @ Manitoba
Jan 5 - 6	8:00 PM @ Simon Fraser / Calgary
Fri Jan 19, 07	8:00 PM @ UBC
Sat Jan 20, 07	6:30 PM @ UBC / vs UBC
Fri Jan 26, 07	7:00 PM @ UBC
Sun Jan 28, 07	2:00 PM @ UBC
Feb 2 - 3	6:00 PM @ Thompson Rivers
Fri Feb 09, 07	8:00 PM @ Trinity Western
Sat Feb 10, 07	6:30 PM @ Trinity Western
CANADA WEST PLAYOFFS (dates subject to change)	
Feb 16 - 18	CW Semi-Finals
Feb 23 - 25	CW Finals
CIS NATIONAL CHAMPIONSHIP	
Mar 1 - 3	@ Calgary
Mar 2 - 4	@ McMaster (Hamilton)

VARSVITY SPORTS

CROSS COUNTRY	CIS National Championship	@ Laval (Quebec City)
Sat Nov 11, 06		
PANDAS FIELD HOCKEY	Pandas Invitational Tournament	Edmonton @ Calgary
Sep 22 - 24	CW #1	@ Victoria
Sep 29 - Oct 1	CW #2	@ Vancouver
Oct 13 - 15	CW #3	@ TBA
Oct 20 - 22	CW Championship	@ UBC
Nov 2 - 5	CIS Championship	
PANDAS RUGBY	CW Finals	@ Lethbridge
Oct 20 - 22	CIS National Championship	@ Western (London)
Nov 2 - 5		
SWIMMING	CW Finals	@ Calgary
Jan 19 - 21	CIS National Championship	@ Dalhousie (Halifax)
Mar 2 - 4		
TRACK AND FIELD	Last Chance Meet	Edmonton
Sun Nov 26, 06	Golden Bear Open	Edmonton
Jan 19 - 21	CW Finals	@ Winnipeg
Feb 23 - 24	CIS National Championship	@ McGill (Montreal)
Mar 8 - 10		
WRESTLING	CW Finals	Saskatoon
Feb 16 - 17	CIS National Championship	Saskatoon
Mar 2 - 3		

SEASON TICKETS

	ADULTS	STUDENTS
Bears Hockey	\$95*	\$50*
Pandas Hockey	\$70*	\$35*
Basketball	\$70*	\$35*
Volleyball	\$70*	\$35*
Soccer	\$15	\$8
Football	\$25	\$12

* - playoff tickets are included (does not include national championships or exhibition games)

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www.bears.ualberta.ca

www.pandas.ualberta.ca

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Photo: WFP/Richard Lee.

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BASECAMP



In our feature on Africa, we share experiences from University of Alberta faculty, alumni and students participating in the unfolding story

of a continent in turmoil, a place of much suffering and hardship, but also full of joy and hope.

While it is heartbreaking to read about the sheer enormity of the problems facing countries reeling from civil conflict, famine, drought, and the highest rate of HIV/AIDS infection in the world, it is nonetheless heartwarming to do a series of stories that celebrate the myriad ways people from the University community are reaching out to make a positive contribution to better the lives of their global neighbours. Inspiring, too, are the African people themselves who often find beauty, grace, poetry and music under the most unlikely of circumstances.

The need in the poorest regions of Africa can seem overwhelming and the problems too insurmountable for the ordinary person separated by an ocean and prosperity that is a way of life unimaginable to many in Africa.

Not so for our U of A alumni who are using their skills to help in any way they can—one person at a time. That is what the global citizens from the University have realized as they sometimes put careers and personal interests on the back burner while working to effect positive change in a place both magically entrancing and mad-deningly complicated.

In this issue we can share their experiences and broaden our understanding of our world and the special people in it who have made helping others part of their life's work.

Also included in this issue are many more stories featuring the accomplishments and activities of our amazing alumni—stories I am sure you'll enjoy reading as much as we enjoy bringing them to you..

Susan Peirce, '70 BA
Executive Director,
Alumni Association

new trail

WINTER 2006/2007

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Susan Peirce, '70 BA

Supervising Editor

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Editor

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Shelagh Kubish, '85 BA

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How to contact the Office of Alumni Affairs

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LETTERS TO THE EDITOR

A Tale of Contrasts

I read with fascination the cover story [Summer '06] on Yuichi Kurimoto, a man with a combination of intellect and determination that we don't often see. Contrast that article with the puff piece in the *Work of Arts* [Insert] on Rona Ambrose.

The author quotes Allan Tupper as saying that the U of A "has been involved in the launch of several successful political careers" and that "Ambrose is continuing in the tradition of alumni such as Joe Clark, Preston Manning, Deborah Grey, Peter Lougheed, and James Rajotte." Did no graduate have a successful political career as a Liberal, CCF or

ND? Was no one from Social Credit or the UFA — parties who formed the government of Alberta for almost half a century — a U of A grad?

The article goes on to have Ambrose say, "It's a great feeling to go to bed at the end of the day knowing that, yes, there are sometimes roadblocks and challenges, but you're really trying to make Canada a better place for Canadians to live." This, I suppose, is in contrast to the many Liberals and NDs who go to bed at night planning new roadblocks for Minister Ambrose and who are really trying to make Canada a worse place for Canadians to live.

Floyd Johnson '57 BSc
Westerose, AB



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Accomplished Youth

I enjoy getting *New Trail* and am amazed at the contributions and accomplishments of the young people today. Keep up the good work!

Elsie Morris (Konkin), '54 BEd Lethbridge, AB

Standing Proud

Let me say how much I appreciate and look forward to each edition of *New Trail*. Every edition renews my pride in having had an almost 40-year association with the University as a student and faculty member. The range of activities and accomplishments of alumni is amazing and add to the ongoing achievements of active faculty and students and to the national and international reputation of Alberta.

Murray Smith, (Professor Emeritus), '48 BEd, '74 PhD Edmonton, AB

Thank You!

For over 60 years of profound and very interesting reading.

Albert Golden, '46 BSc Penticton, B.C.

(Editor's note: The above comment from Mr. Golden came along with a very sizeable donation to New Trail for which we are extremely thankful. As well, we'd like to offer our heartfelt thanks to all the readers who, year after year, generously donate money to help support their alumni magazine.)

We would like to hear your comments about the magazine. Send us your letters via postal mail or e-mail to the address on the previous page. Letters may be edited for length or clarity.

Wauneitas Identified

It was a pleasant surprise to come upon the final page of *New Trail* (Autumn '06) entitled 'The Wauneita Way.' The Wauneita Society was organized at the U of A in 1910 as a means of promoting friendly understanding among campus co-eds, and for the purpose of creating active interest in student affairs. Among the Wauneita activities were coffee parties, a formal dance, teas, a Christmas party, Waw-Waw Weekend, and a formal spring tea for all Wauneita alumnae (as well as doing such projects as sending hampers to needy families). The centre of activities was the beautiful Wauneita lounge in the Students' Union Building.



All female students were welcome and information was provided about campus clubs and other extracurricular activities.

I was disappointed to read that the Wauneita Society no longer exists. You've requested the names of those in the photo (pg 68). I hope my memory is correct on their 'maiden names.'

From left to right: Joan Bourque, Jean Hunter, Doreen Spence, Audrey Clark, Joyce Love, Gwen Daley, Betty Wilson, Joan Gilmore, Judy Benfield.

Joyce Anderson (Love), (former Wauneita Society President) '52 BA, '53 BEd Burnaby B.C.



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bear country

Ping-Pong Ichthyosaur

Michael Caldwell, '86 BPE, '91 BSc, either has a knack for making news or is the poster boy for someone who's always in the right place at the right time. In 2002, Caldwell and his team of U of A graduate and undergraduate students found a complete 10-metre long mosasaur (an aquatic reptile of the Cretaceous period) specimen in western Saskatchewan. The next year the entire remains of another mosasaur specimen arrived at the U of A from Morocco where it was unearthed a few years earlier and was purchased by the Department of Biological Sciences for \$15,000, a sum that Caldwell termed "a steal as it would have cost a whole lot more than that for us to collect and prepare the bones ourselves."

In 2004, the joint professor of Biological Sciences and Earth and Atmospheric Sciences was searching for snake and marine lizard fossils on the Croatian island of Hvar when he and his team discovered dinosaur tracks more than 95 million years old. The find represented new evidence for when and where titanosaurs lived (from the Sauropod family meaning "gigantic lizards" and among the largest of the dinosaurs, weighing around 10 tonnes and measuring about 15 to 20 metres long). And, oh yes, he's at the centre of a debate on

the evolutionary relationship between snakes and lizards.

But the icing on the cake has to be what he found inside some boxes under a ping-pong table being used as a workbench in a science undergraduate lab on campus.

Deciding that the ping-pong table had to go in a recent renovation, he found a prehistoric present in the boxes previously thought to be full of junk.

"It was pretty amazing," says Caldwell. "When I looked at the material, I knew immediately what it was." What he'd found was 100-million-year-old fossils from an ichthyosaur, a reptile whose remains were discovered over a quarter century ago by a U of A team working on the Hay River in the Northwest Territories.

"The boxes," Caldwell says, "contained pieces from six or seven ichthyosaurs. One of them must have been pregnant, because among the remains were a pair of embryos—a particularly rare find. And the time period they date from is right at the end game for ichthyosaurs, right at the point of extinction for them. That means the embryos represent the youngest records of pregnant ichthyosaurs and ichthyosaur babies ever found."

Caldwell plans on working with a pair of Australian scientists to compare



the Hay River specimens—unofficially known as the ping-pong ichthyosaur—with ichthyosaurs and other marine reptiles known to exist in Australia's cold-water basins. "One of the things that makes these bones so unique was that they were found so far north," Caldwell says. "Even back in the Cretaceous period, the area these bones were found in was home to some pretty cold water and reptiles aren't terribly fond of cold water."

The Hay River ichthyosaurs are considered a separate species because they show enough new characteristics not found in other ichthyosaurs. And the embryos found in the reptiles, which measured anywhere from one to five metres, provide additional evidence that ichthyosaurs had live births instead of laying eggs.

Giant sea turtles aside, Caldwell says "it's sensible for an aquatic animal to have live births, especially if you are an enormous sea monster and it's impossible for you to flop on the beach."

Campus Crunch

The U of A food bank is celebrating its 15th unofficial anniversary... and no one's blowing out any candles or eating cake.

It started as a publicity stunt in 1991. In response to the raising of tuition fees for international students, the Graduate Students' Association staged a one-day 'emergency' food giveaway in the hope of grabbing some

media attention. They expected to get their opposition to the price hike before the public's eyes; what they didn't expect was a lineup of 250 people stretching from the GSA office in the North Power Plant all the way into Quad.

The people weren't lining up to enhance the optics for the media; they were there in the hope of getting some free food. Students took note of the need and began to organize a response that, in 1993, officially became the Campus Food Bank (CFB) that currently

operates as a registered charity funded by the Students' Union, GSA and the Chaplains' Association.

Last year enough food was distributed to feed over 2,300 individuals and this year the numbers are expected to rise. "The clientele receiving the food hampers is diverse, and represents all factions of the University community," says CFB executive director and third-year biological sciences student Madeline Bachmann. "Some clients

Friendly Exchange

“My friends told me that going on an international exchange was one of their best experiences while at university,” says University of Alberta (now Lviv University) School of Business student Tim Starchuk. So when the opportunity came up to study for a year at the oldest university in Ukraine in the city of Lviv, he seized the opportunity.

Starchuk is one end of a new exchange program between Lviv University and the U of A that began this year. His counterpart in Edmonton is Olena Dudych who is studying English philology while also taking courses in linguistics, political science and accounting, a combination of studies that wouldn't have been possible in Ukraine because, she says, “students entering university there are required to follow an educational plan approved by the country's Ministry of Education that restricts their choice of courses.”

Both students are beneficiaries of University of Alberta International, which facilitated this initial exchange by

granting scholarships to Starchuk and Dudych, something especially important for Ukrainian students who are generally less likely to be able to afford studies abroad. The U of A-based Canadian Institute of Ukrainian Studies—celebrating its 30th anniversary in 2006—is hoping to establish an endowment fund to provide annual funding for this exchange, money that the U of A has committed to match dollar for dollar.

Currently both exchange students pay tuition at their home institutions, but Starchuk is benefitting from what he says is “a quite low cost of living in Lviv compared to other European cities and living accommodations for foreign students are actually better than some of my friends' dormitory rooms at the U of A.”

For her part, Dudych says, “the biggest change is the different assignment and examination systems at the U of A, as well as the faster rhythm of life. But everyone's been very helpful and friendly in solving problems and answering questions and anyone thinking of applying for the exchange shouldn't be concerned as there will always be someone available to ask for advice and explain procedures.”

For more information about supporting the U of A/Lviv University exchange program contact The Canadian Institute of Ukrainian Studies at www.ualberta.ca/~cius/ or contact www.international.ualberta.ca/studyabroad for other studying abroad opportunities.



Olena Dudych and (above) Tim Starchuk

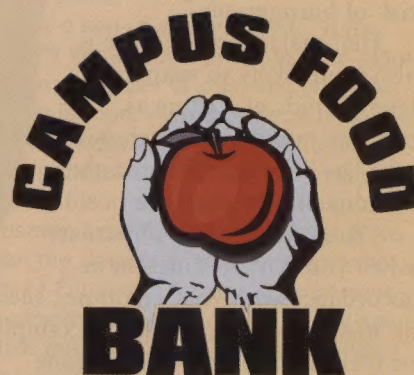
need our help once due to an unexpected expense; some come on a regular basis. Despite the diversity among clients, the common thread among them is that they are suffering from food insecurity.”

Located in the basement of the Students' Union Building, the CFB encourages monetary donations that allow it the flexibility to purchase items that address current needs. However, the most needed items include canned fruits and vegetables, cereal, powdered milk and rice as well as such non-food items as toilet

paper, toothbrushes and baby supplies. Perishable items can also be donated by prior arrangement.

“Food insecurity is all of the problems that accompany not being able to feed yourself or your family, and goes far beyond just being hungry,” says Bachmann. “It can adversely affect physical and emotional health, social activity, and academic performance.”

For more information or to donate, contact the CFB at (780) 492-8677 or www.su.ualberta.ca/foodbank





bear country

IRE ON ICE



"If you demand perfection, it means that nothing but a perfect performance is acceptable," says U of A associate professor in the Faculty of Physical Education and Recreation **John Dunn**, '92 MA, '98 PhD, co-author (along with **Jeffrey Vallance**, '02 MA and **Janice Causgrove Dunn**, '84 BPE, '87 MSc, '97 PhD) of a new study titled "Perfectionism, Anger, and Situation Criticality in Competitive Youth Ice Hockey" published in the *Journal of Sport and Exercise Psychology*.

The study was conducted in a questionnaire format and involved 229 male hockey players from Edmonton aged 12 to 16 competing at the highest level. Forty-four centres, 88 wingers, 76 defensemen and 21 goalies participated in the study (the goalies were later excluded from anger scale analysis because they didn't experience most of the scenarios posited by the questions).

As he did in a similar study conducted with young football players, Dunn found that "high perfectionist individuals will be particularly prone to experiencing anger in situations that involve frustration (e.g., blockage of goals) and negative evaluation."

He also identified two types of perfectionists: the adaptive, happy ones and the maladaptive, unhealthy ones. "Maladaptive perfectionists can still achieve high levels of performance," Dunn says, "but these people are motivated by a fear of failure. With that negative motivation comes anxiety and stress. That person rarely feels a sense of satisfaction of doing well and in the long term is at risk of burning out."

That maladaptive person is also more likely to snap in later periods of a game as pressure mounts and each mistake has a greater effect on the outcome of the game.

"You often lose all objectivity when you start to function in accordance with your emotions, such as anger," he says, citing the example of French player Zinedine Zidane

head-butting Italy's Marco Materazz during the recent World Cup soccer final.

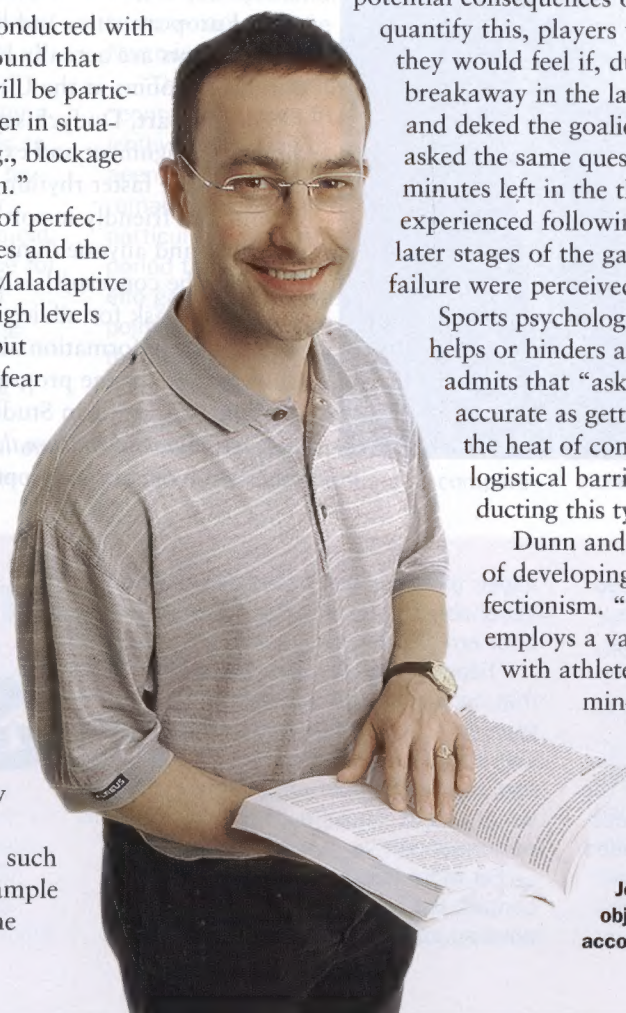
Data for the hockey study was collected before and after training sessions in mid season and included asking players to rate such statements on a level of one (strongly disagree) to five (strongly agree) as, "If I play well but only make one obvious mistake in the entire game, I still feel disappointed with my performance" and "Only outstanding performance in competition is good enough for my coach."

Other questions were meant to find out if the game's situation influenced the players' perceptions about the potential consequences of failure during the game. To quantify this, players were asked such things as how they would feel if, during a tied game, they got a breakaway in the last five minutes of the first period and deked the goalie but missed the net and then were asked the same question in the context of having five minutes left in the third period. Predictably, the anger experienced following failure was magnified in the later stages of the game when the consequences of the failure were perceived as being more important.

Sports psychologists are divided on whether anger helps or hinders an athlete's performance and Dunn admits that "asking questions like this is not as accurate as getting an actual anger reading during the heat of competition" but there are obvious logistical barriers that hinder the chance of conducting this type of research during the game.

Dunn and his colleagues are at the forefront of developing sport-specific measures of perfectionism. "Future research," he says, "that employs a variety of perfectionism measures with athletes is ultimately required to determine which, if any, instrument provides the most meaningful conceptual model upon which to conceptualize and measure perfectionism in sport."

John Dunn — "You often lose all objectivity when you start to function in accordance with your emotions."



A Beaming New Name

In October U of A president Indira Samarasekera officially announced that the name of the historic downtown Hudson's Bay building currently being renovated for a University presence will be 'Enterprise Square.'

The future home of, among others, the Faculty of Extension, the School of Business, TEC Edmonton, University of Alberta International, the Art Gallery of Alberta and some of the University's External Relations Offices—including Alumni Affairs—the 40,000-square-metre building is expected to be fully occupied by late summer 2007.

"We are thrilled," said Samarasekera, "that Enterprise Square will firmly place the University of Alberta as a contributing partner within the city's downtown core. This is about enterprising people—people marked by imagination, initiative and a readiness to pursue more education and advance innovations."

Funding for Enterprise Square has been provided by the University of Alberta (\$49 million) the provincial and federal governments (\$15 million each) and the city of Edmonton (\$7.5 million).



Katz Meow

A funny thing happened at the October 2006 press conference to announce up to \$25 million in donations to the U of A's Faculty of Pharmacy and Pharmaceutical Sciences from **Daryl Katz**, '82 BA, '88 LLB, and the provincial government: Katz (pronounced Kates) is the founder of the Katz Group which owns the drug store chains Rexall, Medicine Shoppe, Pharma Plus and Guardian IDA.

In recognition of Katz's gift, the west wing of the Health Research Innovation Facility (now under construction at the corner of 87th Avenue and 114th Street) is to be named The Katz Group-Rexall Centre for Pharmacy and Health Research. But moments before U of A president Indira Samarasekera took the podium to announce this news, outgoing premier Ralph Klein said a few words to the gathered crowd and joked that it's a good thing the building wasn't going to be named the Rexall Centre because it would attract crowds of bewildered hockey fans during Edmonton Oilers home games.

Of course, no one's really going to be confused about Rexall Place, the hockey arena where the Oilers hold court, and Rexall Centre, a health-care



Katz and the new Health Research Innovation Facility.

facility. And, bottom line, when you donate \$7 million of your own money (as Katz has) with a promise to raise another \$5.5 million from pharmaceutical and related industries for a total of \$12.5 million, then getting a building named after you and your company seems the least the University could do.

All money donated is going to be matched dollar for dollar by the provincial government for a potential total of \$25 million, the largest one-time gift to any pharmacy school in Canada.

Half of the money will be used to support the construction of the aforementioned building which will be the new home for 130 pharmacy students. Another \$10.5 million will be used to support educational and research pro-



grams for pharmacy students and faculty, and \$2 million will be used to fund a joint Pharmacy-Law chair in health law research.

"As a son of a pharmacist," Katz said, "I know that a pharmacist is more than a dispenser of pills, and pharmacology is more than a trade. A pharmacist is always a scientist and health-care provider, sometimes an employer, often a friend and, from time to time, a lifesaver. I can't think of a better place than the University of Alberta and the city of Edmonton for young pharmacists to absorb the power of community spirit while they obtain the best academic education in Canada."



bear country

Brick Work

For over 40 years the Physics and V-Wing buildings have been landmarks on the U of A's quad. Now they've been removed to make room for the Centennial Centre for Interdisciplinary Sciences (CCIS), but organizers of a brick campaign hope to keep a little piece of the past in the halls of the future.

Through a campaign called A Brick to Remember the Faculty of Science is offering 4 x 8 inch bricks for sale. For \$100, you can purchase a brick and have it engraved with up to three lines of text. It's a great way to recognize a friend, honour a loved one, congratulate a recent graduate, or leave your mark at the U of A.

The engraved bricks will be displayed in the CCIS, and proceeds from the sale will go to the CCIS fund. It's the Faculty of Science's way to acknowledge those people who helped build and establish the Physics and V-Wing buildings and also help build the future.

For more information on the campaign or to purchase a brick, check the Faculty of Science website www.uofaweb.ualberta.ca/science/ or e-mail buyabrick@ualberta.ca



Puckhandling

The Edmonton Oilers Community Foundation awarded the largest single grant in its history — \$135,000 — to the Faculty of Rehabilitation Medicine. The money will fund the research of U of A professor of speech pathology Carol Boliek, who is attempting to improve speech skills of children with cerebral palsy or children who have experienced a traumatic brain injury early in life. With the money from the Oilers, Boliek will renovate and equip her pediatric speech physiology laboratory in Corbett Hall.

"We've learned about the ways in which normal kids learn how to speak," explains Boliek. "Now, we want to take that information and design intensive, early-intervention strategies to 'rewire' the brains of children who have experienced traumatic brain injuries early in life or in children who have cerebral palsy."

Boliek estimates that there are about 500 children in Northern Alberta who have mild, moderate or severe cerebral palsy and about 1,500 children who have mild, moderate or severe traumatic brain injuries.

"Supporting this work is a nice fit for us," says Edmonton Oilers Community Foundation chair **Doug Goss**, '81 BCom, '84 LLB. "We direct our resources to charitable organizations registered with Revenue Canada that focus their activities on educational initiatives, health and wellness and youth programs. This work has the potential of helping 2,000 children in Northern Alberta."

Established in 2001, the Edmonton Oilers Community Foundation raises its funds through the generous contributions of Oilers fans and friends and through a variety of fundraising initiatives that take place during Oilers home games.

Honoured at Convocation

Two notable Canadians were recognized with honorary degrees at the fall convocation November 22. Julie Payette and **Jim Edwards**, '62 BA, each received an honorary doctor of laws.

Payette joined the Canadian Space Agency in 1992 and has since become one of the best-known Canadian astronauts. She was a technical advisor for the Mobile Servicing System, Canada's contribution to the International Space Station (ISS) program, and flew on Space Shuttle Discovery in 1996. Payette, the first Canadian to participate in an ISS assembly mission and to board the space station, served as a mission specialist, was responsible for the Station systems and operated the Canadarm robotic arm while in orbit.

Edwards, who received an alumni recognition award in 2002, has a long list of accomplishments, including establishing Edmonton's first FM Stereo Station (CFRN) in 1964. As a former Member of Parliament for Edmonton Southwest, Edwards chaired five key Commons



Committees, rewriting Canada's cultural policy, including new broadcasting and copyright laws. In addition, he was a candidate for the Office of Prime Minister in 1993 and served as president of the Treasury Board. From 2002 to 2006, Edwards served as the Chair of the U of A Board of Governors.

Honorary degrees are generally awarded for one of three reasons: to recognize extraordinary intellectual or artistic achievement, to honour service to the University and to the wider society; and to recognize men and women who might serve as examples to the institution's student body.

Far Out

Weyburn, Saskatchewan, is not exactly the place one thinks of when the word “psychedelic” comes up. But the fact is the town could have a giant green frog, purple microdot or windowpane as its town emblem as these were all early street names for LSD (lysergic acid diethylamide) and in the '50s Weyburn was the epicentre for research on the hallucinogenic drug commonly known as “acid.”

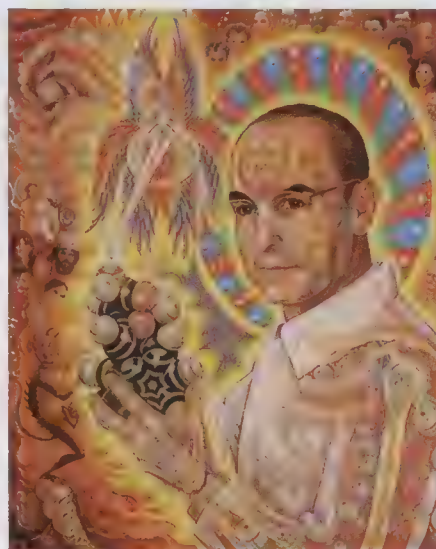
In separate papers published in the *Social History of Medicine* and *Canadian Journal of Psychiatry*, Erika Dyck, U of A assistant professor in the history of medicine program, looked back on the work of pioneering LSD researcher Humphry Osmond. The British-born psychiatrist left England in 1951 to work at a custodial mental institution in Weyburn that was more welcoming of his research into the possible curative effects of mind-altering substances, particularly as they related to schizophrenia and alcoholism.

LSD was accidentally synthesized in 1938 by Swiss biochemist Albert Hofmann who was searching for a new migraine medicine. Hofmann was also the first to “trip out” after spilling some of the substance on his hand. “After about an hour,” Dyck writes in one of her papers, “Hofmann experienced growing dizziness, some visual disturbance, and a marked desire to laugh.” Intrigued by the drug’s effects, he later deliberately consumed a higher dose to analyze the results.

Experience with LSD intrigued him enough to think it might have a therapeutic effect for alcoholics, helping them to quit drinking by inducing hallucinations similar to an alcoholic’s delirium tremens (DT), which often convinced alcoholics to abstain, but usually not before their bodies had been damaged beyond repair.

Osmond (who first used the term “psychedelic” in a letter he wrote to writer Aldous Huxley in 1956—whose

own drug experiences are described in the book *The Doors of Perception*) and Canadian colleague Abram Hoffer tested this hypothesis on two alcoholics, one male and one female. Both treatments were considered successful as



the male patient quit immediately following the treatment and the female patient quit six months later.

Osmond and Hoffer (who both championed the disease model of alcoholism as opposed to attributing it to moral failing) later tested the theory on around 700 patients in Saskatchewan. “According to Osmond,” Dyck writes, “the idea of applying LSD to the treatment of alcoholism occurred to him one evening in 1953 while he was working late with Hoffer. They hypothesized that... if LSD could create the effect of DT without some of the painful physical effects associated with ‘hitting bottom,’ then perhaps the drug could benefit alcoholism patients.”

Another Saskatchewan psychiatrist, Colin Smith, performed a similar study involving 24 patients who, when followed up three years later, showed a 50 percent improvement rate—six had quit entirely, six more had signifi-

cantly reduced consumption, while the other dozen reported no change.

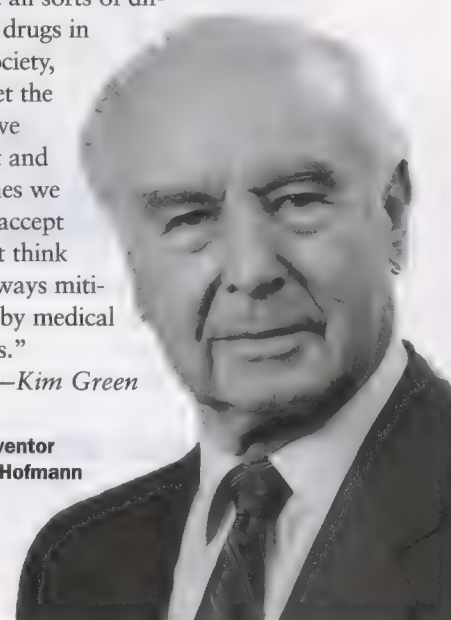
“Many of the patients studied claimed that it changed their lives,” Dyck says. But other institutions, including Toronto’s Addiction Research Foundation, which argued the Saskatchewan research was poorly designed and proved nothing, soon attacked the results. And the times they were a changing as the drug’s growing popularity amongst youth culture and the sometimes tragic results of this experimentation led to LSD being criminalized in most Western countries—despite psychiatrists protests—and the end to the legal production of the substance by the Sandoz Pharmaceutical Company in 1966.

Although LSD at first appealed to medical investigators as an important chemical substance in the pharmacologic revolution, in the end the research revealed as much or more about societal views toward drug use.

“At the heart of the enterprise in Weyburn lay a desire to produce an experience that deeply affected research subjects to the extent that they might change their behaviour,” says Dyck, who’s working on a book about LSD experimentation in Saskatchewan. “We accept all sorts of different drugs in our society, and yet the ones we accept and the ones we don’t accept I don’t think are always mitigated by medical factors.”

—Kim Green

LSD inventor
Albert Hofmann



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***No purchase necessary.** The contest is open to residents of Canada who have reached the age of majority where they reside. The approximate value of each vehicle is \$35,000. The contest runs from January 1 to December 31, 2006. In order to win, each entrant, selected at random, must correctly answer a mathematical skill-testing question. For more details on the contest rules and on our company, visit tdmelochemonnex.com/uAlberta.

Cement Heads

In 1972, the Alberta chapter of the American Concrete Institute (ACI) looked at the Concrete Canoe Race held annually in the U.S. and saw that it was good... and fun. The idea of the race is to provide engineering students with a chance to apply engineering principals from the classroom to a real-life project that will also help them learn important lessons about team and project management skills.

So they pitched the idea to civil engineering students at the Universities of Alberta and Calgary of a Canadian version of this race using toboggans instead of canoes. The challenge was accepted and in 1972 the first Great Northern Concrete Toboggan Race (GNCTR) was held in Calgary. It was also good... and fun. Except for the folk at ACI who decided it was a failure and cancelled further participation.

But the student participants were hooked on the competition and developed their own set of rules leading to the GNCTR taking back to the hill in Red Deer, Alberta, in 1975 with the U of A, U of C, Northern Alberta Institute of Technology (NAIT) and Southern Alberta Institute of Technology (SAIT) all fielding teams. The student-run race has been held yearly ever since and now attracts participants from all over the world.

The rules? Simple. Build a toboggan with a concrete running surface (equipped with an effective braking and steering system) that doesn't weigh more than 136 kilograms and that can accommodate five riders. Then strap on your helmets and hurtle down a hill as fast as you can (or get through the slalom event with the greatest of ease). In the first student-run competition—won by SAIT—the winning toboggan posted a top speed of 50 km/h. Last year the fastest toboggan clocked in at 78 km/h.

But there's a lot more than just speed involved. Teams are judged on such things as the sled's braking ability, design, presentation, esthetics, costumes, and team spirit. The last time the U of A won the competition was in 1993 on a sled called Big Bear. That event—held in Sherbrooke, Quebec—featured over 450 student participants who came from as far away as France. This year's competition will see over 800 engineering students converge on Winnipeg for the five-day event (January 31–February 4).



Last year's sled — "Katrina" — in Montreal and (left) Katrina designer and construction coordinator Jairus Weber.

U of A team captain Jen Nicholls is hoping the sled currently on the drawing board, which uses lightweight concrete for the skis and aluminum for the rest of the structure, will not only impress with its looks but also dazzle with its performance.

"We're making great progress," says Nicholls. "The sled design is complete and the concrete mix design is finalized. We're using four skis as our running surface to keep down the weight of the slab and provide more maneuverability. We've got the same braking system we used last year that uses an air cylinder to force the brake down into the snow. The sled itself is constructed of aluminum bars and is wide and low to the ground to help prevent the possibility of rollover—which not only hurts, but you also lose points for."

A tight group of approximately 35 individuals working on the sled have a team goal of placing in the top five—although, of course, a first-place finish would be even better. And this year's theme is 'lifeguards'—"a questionable choice," says Nicholls, "given that the average temperature in Winnipeg at that time of year is -30°C ."

The official name of the U of A team is "Baywatch: Alberta" and they have taken to calling their sled the Hasselboggan. But all joking aside, Nicholls says the best thing about the race is the opportunity to apply their technical knowledge outside the classroom.

"Watching the sled and technical display grow from a concept on paper to a physical object is extremely exciting," she says. "On race day, the pride of seeing your sled race down the hill is one of the biggest thrills. A close second is networking during the competition. Every year you get to catch up with fellow engineers you met in previous years. I have even personally experienced lengthy discussions during job interviews regarding GNCTR because the employer was involved in GNCTR 20 years ago."

For more information go to www.gnctr.info.

—Kim Green



bear country

Walk This Way

Sure, the tortoise may have won that fabled race with the hare, but according to a study conducted by U of A physical education professor Vicki Harber, it was probably the hare that benefited most from the exercise.

Following the free pedometer promotional giveaway in boxes of Special K cereal where it was suggested that 10,000 steps a day are the key to significant health benefits, Harber and her team decided to test that hypothesis. The study compared the results of 40 people walking 10,000 steps a day over six months with benefits accruing to 40 others who did more strenuous activities between two and four times a week.

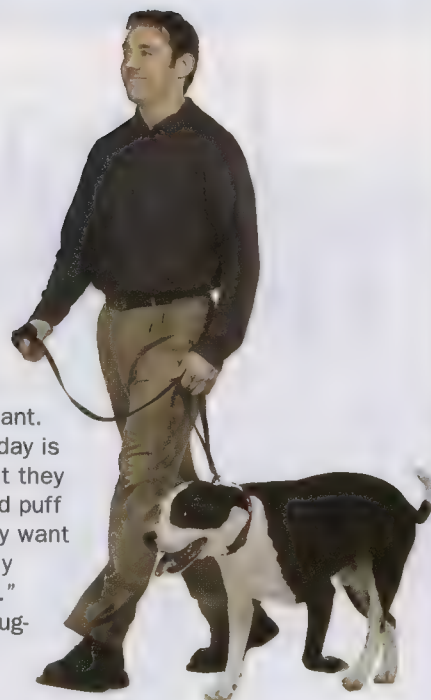
The results showed that the participants doing the more traditional, heart-rate-rising exercise routine increased their oxygen intake and experienced a drop in their systolic blood pressure (the high number reading) by an average of 10 percent for each while the walkers experienced an average benefit of only four percent.

"The suggestion that all anyone needs is to walk 10,000 steps is not telling the whole truth," says Harber. "The intensity

or the effort people put into the activity is important. Walking 10,000 steps a day is a good starting point. But they need to put more huff and puff into their activities if they want to experience significantly better heart conditioning."

Of course, she's not suggesting that walkers give up their activity or that it's not, pardon the pun, a good first step towards meeting Health Canada's recommendations of an hour a day of moderate activity combined with frequent 30-minute sessions of more intense activity.

"I commend the Kellogg company for giving pedometers away to encourage people to get walking," Harber says. "If it gets people motivated and out their door, it's a good starting point. But, if you can, try to step up the pace a little."



A new course at the University of Alberta involves a lot of hands-on time with labs... as well as spaniels, cats, horses and even iguanas.

Gaylene Fasenko, '89 BSc(Ag), '92 MSc—assistant professor in the Faculty of Agriculture, Forestry and Home Economics—is the instructor for the inaugural U of A Animals and Society course that examines the physiology, behaviour, health, nutrition and different breeds of companion animals, as well as the relationship between these animals and human health and wellness.

Fasenko has a lot of first-hand knowledge of the healing role animals can play in the lives of humans. She and her two west highland white terriers, Sebastian and Ariel, are experienced pet therapists. But the course is about more than the healing effects of animals, and she's surprised no other Canadian university has yet offered something like it.

"It's amazing. But, as far as I know we're the only course like this in Canada," Fasenko says.

"We started out having animals in our lives to help us with herding,

Animal Logic

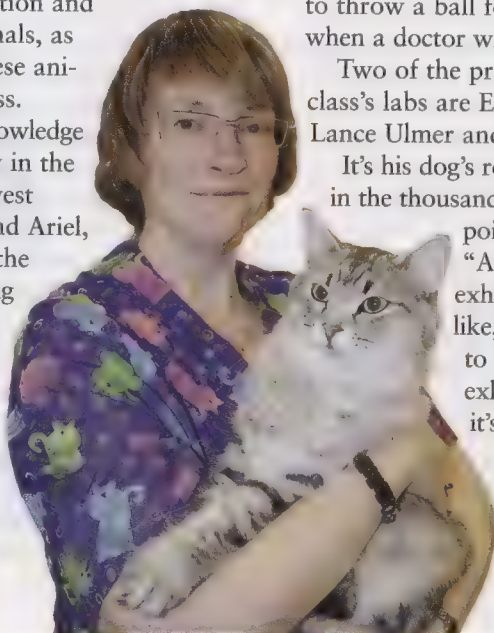
hunting or guarding us," continues Fasenko. "Now we have animals as companions,

we're using them for pet therapy, we have dogs that can sniff out specific kinds of cancer, as well as bombs and currency. We even have horses that help disabled children with physiotherapy. You might get someone who doesn't want to participate in physical therapy, but they're willing to throw a ball for a dog. There may even come a day when a doctor will give you a prescription for pet therapy."

Two of the presenters who will be participating in the class's labs are Edmonton Pointing Dog Club member Lance Ulmer and his dog, Leo.

It's his dog's role of companion that keeps Ulmer putting in the thousands of hours necessary to train a successful pointer. "It's hugely stress relieving," he says. "After a day of work and you're feeling exhausted and there's your dog staring at you like, 'Let's go, let's go. Come on!' and so happy to see you. And once you do get past that exhaustion and get out there with your dog, it's like, 'Wow, this is so great. I needed this.'"

—Illeiren Byles



'Brenigan,' a Siberian cat, with Edmonton Cat Fanciers Club member Pat Strand.



Usually when we think of forest fires it's the immediate loss of life (both human and animal), destruction of homes and other buildings, and the burning of the trees themselves that we associate with the damage done by the blaze.

But a new study co-authored by U of A rural economy professor **Vic Adamowicz**, '81 BSc, '83 MSc, assesses another sort of collateral damage from the not-so-friendly forest fires—human health. The study, published in the *Canadian Journal of Forest Research*, examined the effects in Edmonton and Red Deer of the fire in Chisholm, Alberta (160 km north of Edmonton), that burned for seven days in May of 2001 and consumed 116,000 hectares of trees as well as 75 structures, including 21 homes.

"The overall health impacts were significant when compared to other related costs such as fire-fighting," says Adamowicz.

Forest fires are responsible for approximately one-third of all fine particulate matter in the earth's atmosphere. This fine particulate matter rose by as much as 200 percent in

the Edmonton area over a period of hours in the two days that the wind was blowing the smoke over the metropolitan area. This increase in particulate concentration was estimated to have increased the risk of such human health consequences as respiratory problems, pulmonary disease, heart disease and stroke with an economic impact (hospital costs, lost wages) second only to the estimated \$20 million lost in timber damage. (Fire-fighting costs for the blaze came in at \$10 million).

"Though the costs wouldn't be as high in every fire," says Adamowicz, "it's interesting to note that even in this case study, only one or two days of the fire generated significant smoke effects over a large city in the region. A very different result would have been obtained if the wind had continued to blow the smoke over the Edmonton region for the entire length of the fire."

But it's not all bad news, as Adamowicz points out. "One thing that isn't often mentioned," he says, "is that fires also have beneficial aspects in terms of ecological systems. So we shouldn't only represent fires as being damaging."



landmarks

■ U of A coaches came up big when some annual athletics awards were handed out recently. **Liz Jepsen**, '95 BEd, coach of the Pandas soccer team, was named Canada West Coach of the Year. As a student, Jepsen played four years for the U of A, starting when she won a gold medal at the CIS event in 1989.

Len Vickery of the Golden Bears soccer team was named CIS Coach of the Year and celebrated his team's national championship win at the CIS championships held at Foote Field in November.

And **Carla Somerville**, '98 BPE, coach of the Pandas field hockey team, won two coaching awards this year when she was named coach of the year by both Canada West and CIS. A former senior national team member who competed at the 1998 Commonwealth Games, Somerville played five seasons with the U of A Pandas, claiming three CIS bronze medals and three CIS all-Canadian selections.

■ **Marianne Douglas** was named the director of the U of A's Canadian Circumpolar Institute effective September 1, 2006. Most recently, Douglas had been professor of geology and the head of the Paleoenvironmental Assessment Laboratory at the University of Toronto. She is widely recognized as one of Canada's most experienced Arctic field scientists, having completed more than 20 seasons of research across the archipelago.

■ Longtime U of A Golden Bears coach **Clare Drake**, '58 BEd, '95 LLD (Honorary), professor emeritus, received the prestigious Geoff Gowan Award from the Coaching Association of Canada. Often referred to as the "dean" of Canadian intercollegiate hockey coaches, he transformed the Golden Bears into the best collegiate program in the country. In his 28-year tenure, the team posted a record-breaking 697 wins while winning six University Cup titles and 17 Canada West conference championships.

Most remarkably, in a feat that may never be equalled, he led both the Golden Bears hockey and football squads to the University Cup and Vanier Cup championships in the 1967-68 season.

■ **Norah Keating**, a professor in the Department of Human Ecology, received the Evelyn Shapiro Mentorship Award from the Canadian Association of Gerontology in October. Keating is part of the Research on Aging Policies and Practice group and has been a major part of the five-year, international research project on the Hidden Costs and Invisible Contributions of "dependent" adults.

■ Faculty of Law professor **Joanna Harrington** has been seconded to Foreign Affairs in Ottawa for a two-year period that started July 1, 2006. Harrington will be the scholar in residence in the UN's Human Rights and Economic Law Division.

■ **Frank Robinson**, a professor in the Faculty of Agriculture, Forestry, and Home Economics, was inducted into the Alberta Agriculture Hall of Fame on October 6. He was commended for his innovative teaching techniques and his enthusiasm and appreciation for Alberta's agriculture industry. Also inducted at the ceremony was U of A alumnus **Robert Church**, '62 BSc(Ag), '63 MSc, of Airdrie. The Agriculture Hall of Fame began inducting recipients in 1951 to recognize outstanding contributions to agriculture and a commitment to rural Alberta.

■ Political science professor **Andy Knight** received the Scotiabank-Association of Universities and Colleges of Canada Award for Excellence in Internationalization for a program he oversees at the U of A—Global Education in Peace and Governance. The program exposes undergraduate and graduate students, as well as Edmonton-area high school students, to security and governance issues faced by developing societies.

As we were going to press it was announced that the Alberta government has invested \$12 million in the University of Alberta's new China Institute as an initial payment towards matching the \$37 million donation of rare Chinese artifacts to the University by **Cécile Mactaggart**, '06 LLD (Honorary) and **Sandy Mactaggart**, '90 LLD (Honorary). The Mactaggart Collection consists of over 700 pieces and has been certified by the federal government as Canadian cultural property. More on this in a future issue.

Arctic Harvest

Vacant land in Alberta is used to grow an endowment for scholarships

It was a rich 80 acres of land near Olds, Alberta — healthy, productive. Anyone would expect the prime piece of agricultural property to be valuable for farming, or maybe even oil. But for Arctic research? However, that's the way **Stephen Antoniuk**, '53 BSc, '54 MSc, and his wife, **Elaine**, '55 Dip(Nu), saw it.

Steve had harboured a lifelong interest in the Arctic, and firmly believed that the future of the oil and gas industry would be found in the frozen north. After studying petroleum geology, Steve joined Stanolind (later Amoco) in 1954 and worked in increasingly senior roles until 1987 when he retired as senior vice president responsible for worldwide exploration.

Over the course of his career, Steve, Elaine, and their children (**Terry**, '78 BSc, **Tricia**, and **David**) called many places home: Alberta, Illinois, Wyoming, Oklahoma, Iran and the United Kingdom. Being as constantly on the move as they were, Elaine wasn't able to turn her nursing degree into a career, so she made a career out of volunteerism and philanthropy instead. Everywhere the Antoniuks lived, both became deeply involved with their communities, driven by an active interest in bettering the world around them.

The Antoniuks supported archeological projects in Egypt and Turkey through the University of Chicago. They helped convert the home of *Punch* magazine's premier cartoonist into a museum in London. And they travelled to Brazil to support a project that teaches trades to Brazilian street kids, so that they have some hope of building a future for themselves.

"Our history of philanthropy has been to give to post-secondary institutions, because there was a university there for both of us," explains Elaine, 72. "We feel strongly about education. It is so important to plan for future generations."

After retiring, the couple finally stopped roaming the world and settled in California. But they still maintained close ties with Canada through their family, as well as their visits to a summer cabin on Vancouver Island and the property they owned near Olds.

Steve also remained active in various projects that he felt made a difference. He was a founding director of the Burgess Shale Geoscience Foundation in Yoho National Park, where he wanted to help establish an earth science learning centre. He taught seminars on worldwide sedimentary basins at the University of British Columbia, and gave his time and talents to churches, foundations and boards.

"But the University of Alberta is where our roots are," says Elaine.

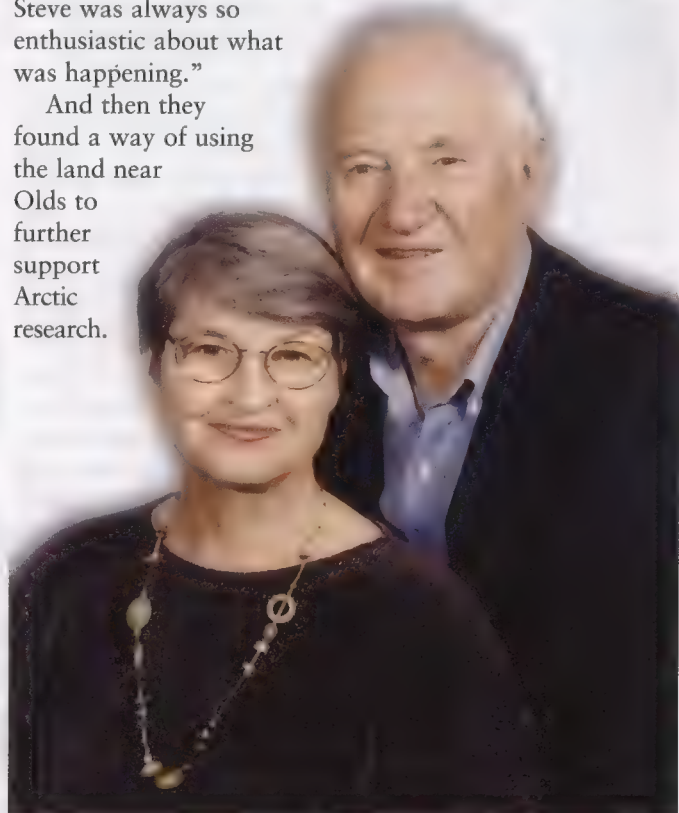
That's why in 2000 the couple established two graduate scholarships at their alma mater: one for Arctic research in Earth and Atmospheric Sciences, and one for Arctic research in Biological Sciences.

"Steve had so much enthusiasm for the Arctic," recalls Brian Jones, former chair of the Department of Earth and Atmospheric Sciences. "He had a great love for the area and wanted to encourage students to do research there, so he established scholarships to help them do that."

Steve understood that vast parts of northern Canada are still not well-known from a geological perspective. Some areas are not even well mapped. And he was aware of the growing implications of climate change on Canada's north — and the U of A's growing expertise in studying those changes. He delighted in meeting with scholarship recipients and hearing about their studies, from monitoring glacier melt and movement to examining core samples from glaciers and lake sediment.

The Antoniuks donated every year to support the work of the U of A students. "The graduate students who received the scholarships kept in touch with us, told us what they were doing," says Elaine. "We followed it closely. Steve was always so enthusiastic about what was happening."

And then they found a way of using the land near Olds to further support Arctic research.



In 2002, the couple, who hadn't lived in Canada for over 40 years, were considering selling the land, when Steve unexpectedly died. True to Steve's vision for Arctic research, the family donated the land to the University of Alberta, the University then sold the land, and the proceeds became an endowment for scholarships. Now, instead of Elaine donating the scholarship

money each year, the endowment supports Arctic scholarships in perpetuity.

"We care about the world," says Elaine. "We were both born in Canada, we're both Canadians, but we feel like world citizens, and we feel like we have to help. And we do. We do our little bit. Everyone has to do their little bit." ■

—Suzanne Harris, '89 BA

Making a Gift of Real Property

Donations of land to the University of Alberta are increasing in frequency. For many individuals, real estate and land represent major components of their net worth. Whether it is one's principal residence, an investment property, or farm land, all will have seen considerable capital appreciation in recent years, and in some cases, some will have become non-revenue generating in nature. A gift of real estate represents a significant gift to the University, and could provide a solution for an individual's estate plan.

A donation of land can be an immediate or outright gift to the University, or it may be donated as a testamentary gift as part of one's estate. A donor of land or real estate may also provide the gift while retaining an interest in that property. Such an arrangement could allow the donor the full use and enjoyment of the property for their lifetime or stated period of time.

Regardless of the type or timing of a gift of real property, the transactions remain mostly the same. The donor arranges for a qualified current market appraisal of the property. In some cases, this will also entail an environ-

mental assessment. Upon transfer of the title to the University, a receipt is provided for the fair market value. The charitable receipt will reduce income taxes and allow for greater preservation of wealth.

For more information on making a gift of real property or any other type of legacy or estate gift, please contact the University of Alberta Gift Planning Office.

- ☐ I have included the University of Alberta in a will, trust agreement, or life insurance policy.
- ☐ I would like information on how to include the University of Alberta in my estate plans.
- ☐ Please contact me regarding a gift of real property.

Name: _____

Address: _____

Telephone: _____

e-mail: _____

Please contact us at:

Development Office, Gift Planning
6th Floor, General Services Bldg
Edmonton, Alberta T6G 2H1
Telephone: (780) 492-0332
Toll Free: 1 (888) 799-9899
e-mail: giving@ualberta.ca


UNIVERSITY OF ALBERTA

Giving
the gift of stock

In its May 2006 budget, the Federal Government eliminated the capital gains tax on gifts of listed securities to public charities, like the University of Alberta.

Here at the University, we applaud that measure. We know it will result in additional funding to support our students and faculty.

For more information on how you can donate gifts of stock to the University of Alberta, consult our web pages at: www.giving@ualberta.ca, or call 1-780-492-0332, Toll free: 1-888-799-9899.



Continent in Conflict

Africa may be a world away, but that doesn't mean it's far from the minds of the University community

by Sheelagh Kibben, '83 BA

Africa is a continent that has always stirred the popular imagination. It has fueled tales of adventure and romance in stories as varied as Ernest Hemingway's *The Snows of Kilimanjaro*, Joseph Conrad's *Heart of Darkness*, Isak Dinesen's *Out of Africa* and H. Rider Haggard's *King Solomon's Mines*.

Widely believed to be the continent longest inhabited by human beings, its name is derived from an ancient Egyptian word meaning good, beautiful or noble. All of these words aptly describe the country of stark contrasts and stunning beauty that boasts the world's largest diversity of free-ranging animals—creatures that run the gamut from lions, leopards and cheetahs to hippos, giraffes and elephants.

Africa. The mere mention of the name is enough to conjure up images of a desert so vast as to almost defy the imagination, sweeping savannah where gazelles, wildebeests and buffalo roam, and dense jungles that provide shelter for gorillas, monkeys and chimpanzees.

But in recent decades Africa has also come to be known for crises of war, economics, and health. Many countries in Africa have been devastated by a triple threat affecting the population: starvation, due to a decreased capacity to grow food; the scourge of HIV/AIDS, which has wiped out millions of people and created what some describe as a continent of orphans; and a decreased ability of governments to provide basic services to their citizens.

The result is that many people in Africa are leading lives of deprivation almost unimaginable in the western world. Displaced multitudes, people forced to walk miles to obtain safe drinking water, children at risk of being captured and forced to be combatants in civil conflicts, not enough doctors

or hospitals or teachers or schools—all endemic problems that can seem overwhelming.

The international community has helped through food aid, humanitarian programs and medical interventions, but still the need remains acute. Individuals in North America, far removed from the problems and comfortable on the other side of the world, wonder what they can possibly do to help. Many feel that they can't possibly change the world and don't



Members of the Congolese National Armed Forces, Democratic Republic of Congo. Since fighting began in 1998, three million people have died in the DRC by warfare or its results, and tens of thousands of people have been forced to flee to camps for internally displaced persons.

know where to start, but a number of remarkable people connected with the University of Alberta are reaching out, one child, one school, one hospital at a time, and doing their part.

In this series of stories we introduce you to people from the University community—academics, students, and alumni—lending their energy and talents to help in Africa. Sometimes they send tangible items such as money, food, medicine, or books. Sometimes they work with organizations that deliver aid or strive to improve Africans' lives through education or health care. No matter what or how they give, they offer hope for a better future.

They all say it's the little things here and there. They add up, and they help.

Pernille Ironside — War Babies

There's a daunting arithmetic behind the humanitarian work of Pernille Ironside, '95 BCom, in the Democratic Republic of Congo (DRC). Eight years of civil war have ravaged the country. Three million people dead, tens of thousands forced to flee to camps for the internally displaced, 35,000 children associated with armed forces or combat groups in the area. On the other side of the equation is the reason Ironside continues. "You've helped one child, and made a difference for that one. That's good and you keep going."

Ironside started working with the United Nations in early 2005, and has kept going through her work with MONUC (the United Nations Peacekeeping Mission in the DRC) and, more recently, with UNICEF. She's been addressing a particularly disturbing aspect of this war—the recruitment and use of children as armed combatants.

Child recruitment, says Ironside, "is among the most heinous crimes." The children are abducted, manipulated, and exposed to extreme violence. "Scores of children, boys and girls, some as young as eight, may be abducted during a single raid on a village." It is not uncommon for children to watch their families be killed and then be forced to kill others. "And sometimes parents willingly give up their children to militia groups who act as a local defence force guarding the community against enemy forces."

After being captured, children are forced to work as fighters or sex slaves while others become guards, porters, cooks, or spies. Through the efforts of Ironside and people like her, the number of children in the hands of armed forces and militia groups in the DRC has dropped dramatically, but is still estimated to be at several thousand.

As a child protection advisor with MONUC, Ironside was stationed in Goma, the capital of the troublesome



Living through a simmering conflict in the Democratic Republic of Congo, children face an uncertain future. Pernille Ironside (left) works to protect children from the devastating effects of war.



eastern province of North Kivu on the border with Rwanda. Her job was to monitor and report on violations against children in North Kivu.

She often dealt directly with military commanders to negotiate the release of children from among their ranks, travelling with a UN military escort to camps in remote areas. "There are standing military orders from the force commander of the national army to release all children from military ranks," she says, "but that doesn't always matter to them." Negotiations take time and perseverance and don't always succeed on the first visit.

Once children are separated from their captors, they are placed in temporary transit centres or with foster families where they receive counselling

and access to basic services. During this time, workers undertake the painstaking search for their families. The task is made even more difficult by the fact that families in some areas have become displaced due to ongoing insecurity.

Even when children are reunited with relatives, it's challenging for them to reintegrate into a 'normal' lifestyle. They have to relearn social skills, and sometimes when they return to their communities they are met with suspicion, mistrust and resentment. In such cases, family or community-level mediation may be required.

"The objective is for these children to become healthy contributing members of society," says Ironside, admitting that can be a "tall order." Every child has suffered the devastating

effects of war. So we try to take a community-oriented approach to help the children”—an approach based on programs that provide opportunities for children to go back to school or learn a vocational skill.

Building on the work she did with MONUC, Ironside recently began a job as head of UNICEF's protection program in eastern DRC, covering four provinces. "The position is very challenging and requires frequent travels to sub-offices," she says. "But it also offers the opportunity to put funds behind worthy projects." And Ironside will take any chance she gets to work directly with the children who need her help. "I get energized when I have direct contact with the children," she says. "It keeps me going through the long days."

Humanitarian work such as this is difficult and has serious downsides. It can be hard to find people like her to take on the daunting task. "When I was offered my first position in the DRC, MONUC was trying to fill other jobs as well. They offered positions to five people and I was the only one who accepted. More times than not, people back out."

Ironside is based in Goma where she has a house on Lake Kivu that rarely has working electricity and water has to be pumped daily. Ironside's partner, fellow U of A grad **Ramin Shahzamani**, '94 BSc, also works in the eastern DRC, where he is head of War Child Holland, based in Bukavu, South Kivu, on the other end of Lake Kivu. War Child Holland is an NGO that has sister organizations in Canada and the U.K. It specializes in using music, sports and other creative activities to help children in former war zones deal with their war experiences.

Ironside and Shahzamani also are helping on a personal level—they pay the university tuition for three young Congolese to study in Goma. "It's not expensive by our standards and I find it very satisfying to be able to help someone who is motivated to fulfill their potential and progress in life," says Ironside.

Ironside says she has always been interested in the world, in language and different cultures, and by the time she finished studying law (she has a bachelor of laws from York University's Osgoode Law School and a master's from Columbia University in New York), she was set on working on international human rights and humanitarian issues.

"There was something about being out in the world, helping others and effecting social change that got me hooked," she says. "The more I learned about it the more it drew me in."



Ironside often walked for hours, escorted by UN peacekeepers, to remote military camps to negotiate the release of child soldiers.

Andy Knight —A sign of better things to come

Andy Knight is a man of peace, but he doesn't mind putting a name to his enemy. It is child soldiering. The University of Alberta professor of international relations marshals his academic talents, and no small amount of his time and passion, towards addressing the monstrosity. The field of battle is Africa, and Knight's weapons are his words. "The sad thing for us is that most of the children haven't been given a chance to grow up," Knight says of Africa's child combatants. "They are missing the developmental stages you should normally go through. As adults, they will be immature adults, dysfunctional adults."

Child soldiering is not new, and it's not unique to Africa, but Africa is well acquainted with its grief. The truth is that, with the number of ongoing conflicts there, African children have been especially vulnerable to abduction, recruitment and manipulation by local militia groups. The statistics are heartbreaking. Some 40 percent of the 300,000 children



estimated to be engaged in warfare worldwide are in Africa. That's at least 120,000 children in countries including the Democratic Republic of Congo, Somalia, Rwanda, Uganda and Mozambique forced to pick up arms or support those who do.

Most are abducted but some join willingly. Knight understands the logic that impels children to join battle groups. Devastated by poverty and hunger, they see no other way to survive than to join a militia that offers food, shelter and clothing.

So he and his colleagues worldwide ask the question the children cannot. "How can we, under conditions of war, best protect children in those conditions, best help those who by circumstances of birth are in a bad situation, who by accident of birth happen to live in a conflict zone?"

His answer is the three-year research project that he is heading up. It is called Children and War and it brings together like-hearted academics and developmental experts from around the world who are taking on the burden of understanding how to eradicate child soldiering and help the children integrate back into their communities.

The horizon, while dark, does have growing glimmers of hope. One of the initiatives from Knight's Children and War project is a sign that things will improve. Actually, it is a child protection symbol that could communicate across different language groups. It is to be placed on schools, mosques, buses and other locations to indicate safe places for children. Knight notes that a similar approach worked for the Red Cross symbol, which, over time, came to be widely recognized.

But Knight is under no illusions about the strength of a sign in a war zone. "The penalties for abusing that symbol of safety would have to be draconian," he says, "but the message will get out that this is a safe place."

And a safe place is what Knight hopes these children find. "Give them a safe haven. Let them grow up as children."



Robert Opp— Feeding the hungry

“Hunger is a reality for many people in southern Africa,” says Robert Opp, ’94 BA (Augustana). “We have to make sure people get the food they need.” And through his work with the United Nations World Food Program (WFP), that’s just what he’s doing.

Opp is now the chief of policy and administration within the Executive Director’s Office of the WFP, part of a small team based in Rome that manages the WFP’s global operations. In dollar terms, WFP is the largest agency of the UN, working with a budget of around \$3 billion U.S. a year to ship commodities to those in need. Last year the WFP helped 100 million people in over 80 countries. The organization employs around 12,000 people, 90 percent of them local and the rest international professionals like Robert.

He got the call to help in the world when he was part of the first international rural development exchange program at Augustana University College in Camrose (now a faculty of the U of A). Robert spent four months in Ghana in 1994 studying and working in rural areas. “It was an extraordinary experience,” he says of the trip. “I caught the bug—not a travel bug but a desire to

be internationally engaged, a feeling of purpose, mission, calling.”

Since that time Robert’s mission to help has taken him to several countries in Africa and Latin America, to a master’s degree at the Norman Paterson School of International Affairs at Carleton University, to the International Development Research Centre in Ottawa, and to the United Nations. His first assignment with the UN was in Angola, where he helped to coordinate aid in the midst of a devastating civil war. There he was responsible for making sure that hundreds of thousands of people displaced by war got fed.

The experience affected him deeply. “People who are displaced often have nothing. When you are in a situation where your village comes under attack, you have 10 minutes to leave with your family and then you end up in a refugee camp—that is when people desperately need to be helped.”

Along with the work he’s done in the field, Opp went on a mission with Stephen Lewis, the UN’s special envoy on HIV/AIDS. Many countries, especially the urban centres, have access to the antiretroviral drugs needed to treat HIV, but what is sometimes for-



James Morris, the executive director of the WFP, with Robert Opp. Motivated to help people like the Angolan children above, Opp helps oversee the distribution of food in over 80 countries.

gotten, says Opp, is the connection between food and HIV. “You can’t beat illness if you’re malnour-

ished,” he states simply.

He is doing his part to address the basic problem of food. With such a mammoth operation and working in such difficult circumstances, there is the possibility of feeling overwhelmed, cynical, or even inadequate. Part of working effectively at the UN, says Robert, “is being able to see how working within a bureaucracy can lead to good results.”

He tries to stay focused on the people who need help, remembering the times he worked in the field, or taking the opportunity during visits to WFP operations to meet the people who are receiving aid. “If you can simply talk to the people who are getting help or who need it, and witness their struggles, you come back and work twice as hard. Overcoming cynicism and the feeling of being overwhelmed is a constant struggle,” he admits, “but I believe—I know—how important that food is.”



Bonnie Fournier — Educating Uganda's Night Commuters

A doctor in the pediatric department at St. Mary's Hospital in northern Uganda, Fred Oola sees up to 400 children a day. They come to him against the backdrop of a civil war that has devastated their country for close to 20 years. Often malnourished and suffering from malaria, some have suffered the direct violence of war, including maiming, and some have broken free from a rebel army notorious for abducting children and forcing them to be soldiers.

He heals them with the tools of medicine, but his greatest tool for good might be the simple question he asks himself and others: "If, despite all of the suffering, the people of Uganda haven't lost hope, why should we?"

When University of Alberta graduate **Bonnie Fournier**, '02 MSc(Health Promotion) met Fred Oola and heard his question, her life changed. She had gone to Uganda to research the role of nurses in treating HIV/AIDS. "When I first went and saw the poverty and the problems, I was so messed up," she says, recalling her first trip to Kampala. "Listening to their stories about suffering and death... I'd be walking down the street and I would cry. I was probably suffering compassion fatigue and culture shock at the same time. It motivated me to do something."

That something turned out to be helping Ugandan children get a good



Fred Oola

The Child is Innocent Foundation, founded by Fred Oola (right) and U of A grad Bonnie Fournier (working with a child, above left) sponsors over 50 children to attend high quality Ugandan boarding schools. The boys above go to the Negri Boys Primary School in Gulu.

education in a safe environment. In 2004, Fournier and Oola founded The Child is Innocent Foundation. Fournier is the Canadian director of the Foundation, which also has an American director, other volunteers, and individual sponsors who pay for children to attend high quality boarding schools in Uganda.

Fighting between government troops and the rebel Lord's Resistance Army (LRA) has pushed 1.5 million Ugandans out of their homes and into Internally Displaced Persons (IDP) camps where between 7,000 and 70,000 people are crowded together, each family in one small hut. Oola says the children there live in constant fear — of losing their parents, of being abducted by the LRA,



Bonnie Fournier

of not eating, of not being able to go to school.

Oola understands their fear because he was one of them. He lived in an IDP in the same area where, from 1990 to 1995, he was a night commuter—one of thousands of children who try to elude abduction by the LRA by leaving their camps before nightfall. They walk about 10 kilometres to sleep in bus yards, hospital basements, or under verandas in safer neighbouring cities such as Gulu.

Under those conditions, school becomes a luxury. There are not many



To escape the threat of abduction by the military, thousands of children leave their homes in displaced persons camps to walk to the relative safety of neighbouring communities to sleep. In the camps, each family lives in one hut. The huts sometimes burn (right), either after an attack on the camp by rebel soldiers or because wind spreads cooking fires.



Dave Green

schools in the camps, and those that do exist are severely overcrowded. As Oola remembers, “my family could barely afford one meal a day, and education had become a myth to me.”

Then a group he calls “my foreign benefactors” paid for his education at

a private boarding school in Uganda. He did well in his studies, won government scholarships and studied medicine. Now he’s determined to give back by helping other children.

Fournier, a part-time instructor in the Faculty of Nursing at the U of A,

says the first step in helping the children “is to find sponsors, and sponsorship is a long-term prospect because we ask them to support the child at a cost of \$875 a year until the end of high school.” Currently the Foundation is paying for 52 children to go to schools. Fournier’s example must be inspiring others — 90 percent of the sponsors are from Edmonton, a city Oola describes as “the mother of the Child is Innocent Foundation.”

Fundraising covers administrative fees, and volunteers spend their own money, too. Fournier estimates she spent \$10,000 in the first half of 2006 on travel costs alone. She also works directly with the children in the classes. In December 2005 she conducted art workshops to encourage the kids to express themselves. She first asked the children to draw what was important to communicate to the rest of the world about their lives. “They drew pictures about living in the camp, fearing the rebels, and their new school environment.” She then asked them to draw what peace looks like to them, and finally she asked them to draw themselves as a hero. “I’m trying to make them realize they are important,” she says, “that what they have to offer is valuable.”

There is hope that the civil war is nearing its end, and if and when it does, the Foundation will continue to

Dorothy Spies — Sponsoring the future

When she got back to Edmonton from a three-week trip to Uganda, **Dorothy Spies**, ’83 Dip(Nu), ’00 BSc(Nu), asked her husband, “Without jeopardizing our relationship, how soon can I go back?” Her husband looked at his watch and answered, “But you’ve only been back two hours!”

The country — or, more specifically, the people — have that kind of pull on her. “It’s the people,” she says. “Despite such difficult lives, there is such optimism. They laugh, they play. They are pretty amazing.”

Spies, a sessional instructor in the Faculty of Nursing and a nurse at the Grey Nuns Hospital in Edmonton, had two reasons to travel to Uganda last summer. She went to see the conditions at a hospital there, and she went to meet Irene, the 11-year-old girl she sponsors through The Child is Innocent Foundation. After being there, she was inspired to continue helping in both areas.



Spies and her sponsored child, Irene.

“The idea of education making change is very important, and that’s what inspired me about The Child is Innocent Foundation,” she explains. After learning about the Foundation, Spies signed on to sponsor Irene in March 2005. When she met her in August 2006 it was “very moving,” she says. “We both cried.”

But her work with the Foundation — Spies also volunteers on its fundraising committee — is, as she puts it, “just the beginning.”

After seeing the conditions in St. Mary’s Hospital in Lacor (just outside Gulu), Spies says she is “quite determined to broker some kind of assistance for them, to share our resources.

“We have so much here and they have nothing. I think we should all do something to help to

address the disparity. Ideally I’d like to do some teaching at St. Mary’s Hospital,” she says, “and if I did I’d probably learn more from them than I would teach. They could teach me about life, about how they adapt and cope. After all, life is easy when you have unlimited resources.”



Kids in the Lacor displaced persons camp. In spite of all their difficulties, they have not lost hope for a better future.

help. "As the war ends and there is peace, we hope to do community development, health promotion, community involvement. Our big dream is to build a school, so that anybody who wants to go can go," Fournier says.

On a recent trip to check on the children and start the process of getting land so the Foundation can build its own school, Fournier went to a displaced persons camp to meet with parents of some of the children who've benefitted from the Foundation's assistance. "The parents told us how their children have become more disciplined while at home, are more helpful with the daily chores, and are much happier. They also said that their children are now teaching their siblings how to read and write English, and that they are good role models for other children in the camp."

Hearing the parents' accounts verified for Fournier that helping one child at a time is a good start. She knows that it's easy to feel that the problems are too overwhelming for one person to tackle but says, "the idealist part of me believes that if people saw the problems there, they would want to help." And she takes this inspiration from the example of Fred Oola, whose education turned his life around, and who is determined to help others. "We are in a very, very challenging world," says Oola, "but we have the right and the reasons to make the world a better place."

Ali Abdi — Contextualizing the world

Whether helping to educate children in Somalia or university graduate students in Edmonton, Ali Abdi knows that education is the key to improving people's lives. "I've been interested in the role of education in human development, in how education ameliorates lives of people in different contexts," says the professor of educational policy studies at the University of Alberta.

In 2004 Abdi organized a very successful conference called Educating for Human Rights and Global Citizenship. Out of that came a book, currently in press, and a new graduate course in the Faculty of Education called Citizenship Education: Global Contexts. Recently Abdi helped form a group of mostly graduate students called the Global Education Network. "We are trying to raise awareness," he says, "and trying to make connections to elementary and high schools here in Edmonton, by sending some of our graduate students to the schools." One of the weaknesses of global citizenship and development, says Abdi, has been the focus outside. "If you don't talk to the kids here and create a more inclusive education, you will have only the point of view from here," he says. "You can't develop the



world before you understand it. People's histories and cultures have to be taken into account."

Abdi notes that in many parts of Africa, education did not play the expected role as a catalyst in improving people's lives. "I wanted to understand the historical and cultural problems that may have affected this outcome," he says. "If the people can't use their education to improve their lives, is it successful? It's a very complex area. There are no simple terms."

At a more localized level, Abdi has supported the Centre for Education and Skills in Somalia, which is educating 300 kids in two small towns—Baadwein and Purtille. "They had nothing," he says of the children. "They were orphaned or very poor, and now they are being educated to an extent. We are trying to establish some kind of education and technical training. Even with five years of education you can do a lot."

Maxwell Zhira — A patriot's plan to return

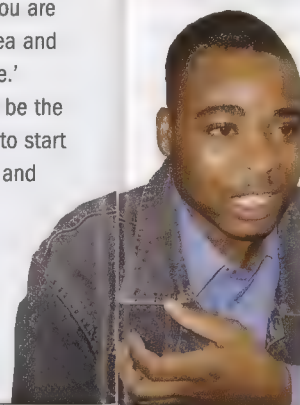
Maxwell Zhira, a PhD student in history at the U of A, says that people find it hard to believe he wants to return to his native Zimbabwe after he graduates. "When I tell people I want to go back, it sounds like a joke," he says. "There, the conditions are not conducive to basic survival. Opportunities for leaving are scarce so to come back after leaving is a contradiction, not normal."

Since Robert Mugabe took power in the country in 1980, he has unleashed a reign of terror that has economically devastated the once relatively wealthy nation and forced many of its citizens to flee. It is difficult to feel hope in the midst of star-

vation, destruction and government corruption. But, says Zhira, if the country is to rebuild, it will have to look to its educated leaders, and he plans to be one of them.

"Zimbabwe currently is in a crisis," says Zhira, "so there is a tendency to think you are better off elsewhere. I looked at that idea and thought 'No, this is not what it has to be.' Society expects the educated people to be the agents, the engineers of change. It has to start somewhere. Make a small contribution, and all these contributions add up."

Zhira, one of six children, did well in high school and was accepted to the University of Zimbabwe. Once he got there, he says, his eyes opened to other opportunities. "I wanted some-



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Marilyn Pottage and Marilyn Ganger — Tools for Schools

As a farmer's daughter from Bentley, Alberta, Marilyn Pottage, '71 BEd, '88 MEd, is innovative and resourceful. She is used to hard work leading to success—at school and through her career as a special needs teacher in Red Deer. So the idea that an accident of birth meant that some kids don't have access to a good education gnawed at her when she went to Ghana in 2003.

Pottage lived in west Africa as a child when her father worked for the Canadian International Development Agency, and she was happy to go back when she was asked by the Association of International Schools of Africa to do a teaching tour. As an adult she saw problems that she hadn't noticed when she was younger—the extreme poverty of the region and the devastating effects of 10 consecutive years of drought. But it was the idea that the children—especially girls—didn't have access to educational resources that bothered her the most. In the Damongo region of northern Ghana, for instance, Pottage saw classrooms of 200 kids, leaving no room for desks or chairs.

In these circumstances it's difficult for the children to get educated, especially girls. The girls usually don't go to secondary school because they are kept at home to act as caretakers of younger siblings. Also, says Pottage, there is the thinking that there is no point in educating them "because they will be sold as brides when they are 12 or 13." The prohibitive cost of a secondary school education means that most families send a boy, if they can send any child.

After that tour, Pottage—who lives by the motto "Why nibble at the ends when you can take a big bite out of life?"—decided to do what she could to help. She and fellow U of A grad and Red Deer resident Marilyn Ganger, '77 BEd, started an organization called Tools for Schools and put their considerable energy into rounding up books and school supplies and shipping them to Africa.

Pottage and Ganger travelled to six Red Deer schools in the spring of 2004 asking only for the supplies the kids would not use the following year. "I asked them to drop in what they were not going to use again—just leftovers. We sent 240 pounds of supplies into Ghana by air that were distributed among 11 schools. After those supplies arrived, teachers from Ghana said they needed more of specific items."



Marilyn Ganger (left), Marilyn Pottage (centre) and an employee of Nossacks Fine Meats in Red Deer — which donated warehouse space and the crew to move and store the pallets of supplies — happy after the first container of school supplies is loaded.

Building on that momentum she decided to broaden her search for school supplies. Schools from Grimshaw, Alberta; Cutknife, Saskatchewan; even California, sent supplies, and they all ended up in Pottage's garage, where she and Ganger sorted everything by grade level. They raised money to send the items, and in October left for a 4 1/2-month trip to distribute the supplies, particularly in the Damongo region, where the need is acute. "The area in which we are taking books," explains Pottage, "has a literacy rate for girls of less than five percent. That is one of the worst in the world." The plan, Pottage says, is to start in the Damongo region of northern Ghana and then work out from there in concentric circles, sharing the resources with separate and public schools.

She's been encouraged by the many individuals and organizations who have helped Tools for Schools.

"People have been very open and accepting. They're willing to give if they feel the resources will get through and benefit people," she says.

"I can't change the world," says Pottage. "That's not my intention. But I have to help in some way."

thing bigger, a bigger picture." So he was ready when U of A professor Guy Thompson came to the university to do research on Zimbabwean late colonialism and asked some graduate students to help with his research project. Zhira, who had started working on his MA at the time, was one of those students. When Thomson asked if any of them would like to come to the U of A, Zhira took the offer.

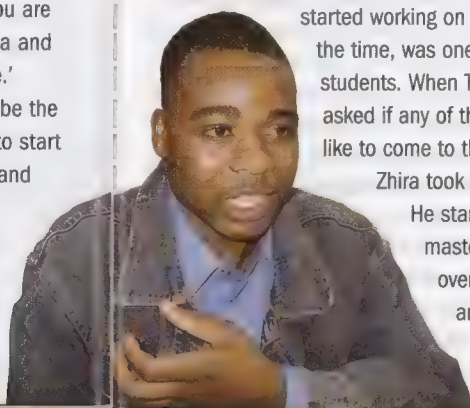
He started his master's degree over in 2003 and is now in the PhD program.

"Coming here was partly coincidental, partly what I was looking for. I had to start my MA afresh but I have no regrets," he says.

Though he doesn't know what he's going to do when he goes back to Zimbabwe, Zhira says "opportunities for me will open up in the next few years." He might teach, research, or work for an international organization that seeks to affect public policy. Whatever he does, he plans to use his education to help his country.

"The potential in Zimbabwe has gone in the wrong direction, but that's not irreversible. We can clean up this mess," he says. "I'm young, only 26, if I can take these ideas with me, there will be change in Zimbabwe."

"My education, my life, and everything I do is inspired by patriotic feelings for Zimbabwe."



Mark Joffe — Helping to mend the social fabric

Advances in medical treatment mean that in North America, HIV/AIDS is no longer a death sentence. With medication, patients can stay healthy, work, contribute economically, raise their families, do the things they're supposed to do. Mark Joffe, a doctor and associate professor in the division of infectious diseases at the U of A, hopes that one day treatment of HIV/AIDS will be equally successful in Africa. Last summer Joffe was part of a team of medical professionals who travelled to Ethiopia, where he shared his expertise in treating the disease. The economic and social toll of the disease there left him motivated to help in whatever way he can.

"The illness has had a huge economic impact," says Joffe. "It's destroying the social fabric of the country."

It's estimated that 6.6 percent of the adult population in Ethiopia have HIV/AIDS, and millions of children have been orphaned because of it, giving Ethiopia the second-highest concentration of AIDS orphans in the world.

"The sick and dying can't take care of their families," Joffe says. "Children are often being raised by their grandparents. People can't work because they are sick or looking after their grandchildren."

Before the economic outlook can improve and the situation stabilize, the medical crisis has to be addressed. Help is slowly coming to the medical profession in the country. An HIV clinic Joffe visited there holds weekly teleconferences on HIV care with Johns Hopkins University in Maryland. "Links are being established," Joffe says, "it's slow and never enough but it's something."

What wasn't slow was Joffe's response when he was first asked about going on the trip. Another U of A-based doctor, Melaku Game, invited him, and "I thought about it for about 10 seconds," says Joffe. "As soon as I could confirm that I had the time to go, I was very pleased to be invited and very keen to take part."



Mark Joffe travelled to Ethiopia to lend his expertise in treating HIV/AIDS. An AIDS clinic in Addis Ababa (above).

Joffe lists the challenges resource-poor countries face in treating HIV/AIDS. "One, they have a desperate shortage of health-care workers." That problem means they have different models of care, using



family members more than we would in North America. "Two, access to drugs; this is a huge issue that they have partially solved with money from the Gates Foundation.

Three, they need to find sources for the drugs. Many are from India, but there is still a limited supply."

Walter Kipp — A Ugandan success story

U of A public health sciences professor Walter Kipp has spent much of the last quarter century helping Ugandans deal with the scourge of HIV/AIDS. His work in Uganda has shaped his life, but it might not have happened at all if he hadn't noticed an advertisement in a journal many years ago.

In 1980 Kipp was a medical student in Stuttgart, in his native Germany. Between residency requirements he planned to take a trip to Asia, but his plans changed when he saw an advertisement in a medical journal stating that doctors were urgently needed in Uganda. "I took an eight-hour train ride to meet with the organizer," he says. "I found out they were looking for medical help in a private orphanage that also had a social outreach component.

"So I went," he states simply, as if everyone who sees a need answers it so directly. "I lived in a tent for a year. It was not bad. The work was

interesting, and the first place you go is the first place you lose your heart to, the place you'll go back to. I lost my heart to Uganda."

With that first trip Kipp began an association with the people of Uganda that has seen him work with the Ugandan government to bring in AIDS awareness, prevention and treatment programs. While HIV/AIDS wreaks havoc in many African countries, there is a bit of a bright spot in Uganda, where addressing the issue of AIDS is seen as one of the continent's success stories. In the 1990s the percentage of HIV infections declined, and part of that success is due to the work and influence of Walter Kipp.

Kipp says that in rural western Uganda "we probably prevented 2,000 infections through education, promoting safe sex, using all means in society," he says. "In Uganda it has been documented that the number of HIV-positive people dropped from 1.5 million to 600,000."

Among the successes he's seen are the use of groundbreaking antiretroviral drugs whose reduction of the virus to undetectable levels has been termed "the Lazarus effect." And according



A girl in a market in Ethiopia, which has the second-highest number of AIDS orphans in the world.

HIV treatment, explains Joffe, is complicated. "This is one set of drugs that if you don't take them properly, it makes things worse," says Joffe. In Africa, a tricky treatment gets even more complicated. "Patients who live in rural areas, who don't have access

to the city, often start the drugs quite late. The patients can be very sick and have very complicated cases that are difficult to deal with."

Joffe enjoyed the experience of helping the Ethiopian doctors and patients in the midst of such challenges. "The people were all thankful that we came, grateful. They have huge needs and modest expectations. We all felt humbled by how well we were treated and overwhelmed by how big the problems are. It was a great opportunity to go and meet with the warm, wonderful people."

Of course when Joffe returned, he realized what so many people who help in Africa see: that here we have abundance and wealth, and an obligation to share it. The idea is supported by the Department of Medicine at the U of A. "There are good people here who hammer home the importance of a global perspective and keeping in mind the issues of people in less-developed countries," explains Joffe. One of these good people, Anne Fanning, is a U of A professor emerita and past coordinator of the Global Health Initiative in the Faculty of Medicine and Dentistry. She

echoes Joffe's statement. "I do think as members of civil society we have an obligation to know and understand the big global health picture and to become engaged in the issues and assure that our community and nation contribute to lessening some of the disparities, rather than increasing them."

If he gets another chance to help in Africa, Joffe will take it. He might forge a connection with Johns Hopkins University's link to the clinic he visited in Ethiopia or find another way to go. "If I'm invited, I'd be there in a flash. Get the doctors there so we can see the situation and build awareness. We can help give advice and set up programs. Lots of good things can come out of this. The way we keep HIV people alive and healthy here, that is going to come to Africa. It is coming to Africa." ■

■ *These are just some of the many stories about the connections between people from the University of Alberta and Africa. For more stories, check the alumni affairs website at www.uofaweb.ualberta.ca/alumni/*

to Kipp, almost 70 percent of patients who need treatment are getting it.

As the leader of a primary health care project funded by a German development agency, Kipp lived in Uganda from 1988 to 1994. He also worked in Sudan for three years before coming to the U of A in 1997 after meeting U of A medical professor Stan Houston at a conference in Thailand. "Stan said the U of A was looking for people with international experience," Kipp explains. "The chair of the department of medicine at the time, Tom Noseworthy, was innovative, an entrepreneur." So Kipp was convinced this was the place to be and moved to Edmonton. "I was lucky," he says. "The timing was just right here."

When he was first at the U of A Kipp continued consulting work with the German government and Canadian International Development Association. With colleagues from the U of A, he has overseen several projects to help Ugandans treat HIV/AIDS, continually adapting the focus of the research projects to meet local needs. In 2001, he



coordinated with medical faculty members from Makerere University in Kampala to develop curriculum and provide training for graduate and undergraduate students. At the same time his team delivered four-week training workshops for public health managers in Kampala and in smaller outlying communities in Uganda. In 2002 he also studied the impact of HIV/AIDS on non-professional people—the informal caregivers, usually family members and often girls—who care for people with the disease in a rural district.

That study showed that not only are there not enough medical professionals in Uganda, but many rural patients do not have access to a hospital. So in 2005 Kipp turned his attention to discerning how best to treat AIDS patients at home. The aim is to make the care as effective as it would be in the hospital. "It's especially important that we research and train women caregivers," he says. "If they don't learn how to care for sick people..." His voice trails off, and it's clear that even as he sits in his office in Edmonton his thoughts are on Uganda.

"What saddens me," he says, "is to think of the lost potential. But I am a persistent person. I don't give up."

He also seeks out the more difficult task, and always has—even when he changed his plans as a young man to go live in a tent for a year. "I was never focused on myself. My primary decision-making was not what is best for me. In fact, I would choose the more difficult thing. It leads to satisfaction. It is not fulfilling to think only of yourself."

V.I.P. MAVANUR

by Mavanur Suresh



Yes, the title of this story smacks of self-glorification. To confuse you even more, Mavanur should have been my last name and not my first.

Let me explain. As well as being my first name, Mavanur is also the name of my ancestral village in India. It's in the southern part of the country, about a four-hour drive west of Bangalore, and 20 kilometres from the bustling city of Hassan. My parents named me Mavanur because it is part of my father's name whose real last name was supposed to be Mavanur, as was his father's before him, but because of an error in the early school records it became his middle name instead of his surname.

My family first settled in Mavanur around 1850. My father left the village in 1925 for a university education in Mysore before moving to Bangalore where I grew up and also attended university, eventually obtaining my PhD in biochemistry. I emigrated to Canada in 1985 after being recruited by University of Alberta spin-off company Biomira Inc. for the position of chief scientist where I developed three cancer diagnostic products including the first blood test to monitor breast cancer to be approved by the United States FDA. In 1993 I became a professor in the U of A Faculty of Pharmacy and Pharmaceutical Sciences, and eventually the associate dean of research in 2005.

But before moving to Canada, I first visited Mavanur in 1982 on my honeymoon with my wife, Bharathi, after we were married in India and made a pilgrimage to Shantigrama to get the blessings of Lord Yoga Narasimha (one of the incarnations of Vishnu) as we started our life together as a couple. At the time I was also keen on visiting Mavanur to see my family's ancestral home.

That first visit to Mavanur was a real eye-opener. To see the conditions of this place first-hand gave me a strange sense of guilt, partly because I had waited until I was 30 years old before going to see for myself the place where my father was born and of which he often told me stories, and partly because it was a place whose need was so apparent that it made my comparative wealth seem almost embarrassing.

The village of Mavanur consisted of one main street with two rows of very modest homes on either side. The houses were mostly made of mud with some bricks and wooden poles and roofs of brownish-red tiles. We found the modest old dwelling of my



Some artwork on the school's wall including an Indian version of Mickey Mouse and a page from a comic book.

forefathers still in existence, although it had been sold to the current occupants years ago and was doing double duty as the village post office. Knocking on the door we were greeted by the gracious owners who, after we explained why we were there, gave us a warm welcome and allowed us to tour the house.

After we visited my ancestral home and looked around the rest of the village, the first seed was planted in the minds of me and my wife that, were it ever in our power to do so, we would do something to help improve the living conditions in this place to which I was rooted by history. This seed lay dormant for a long time until it finally bore fruit.

It took a visit almost two years ago from my cousin Balu and brother-in-law Hari — from Bombay and Bangalore, respectively — to help spur us into action. As I took long walks with these two retired bankers from India around the Edmonton neighbourhood where I live, we talked about Mavanur and what we could do to improve the lives of the people who live there.

Our discussions resulted in a rudimentary plan of action out of which was born the idea of the Village Improvement Project, or V.I.P. for short. But before putting any plan into action we all decided to visit Mavanur again to find out what their needs were rather than act on our own idealistic visions of what they might require.

In the summer of 2005 we travelled to Mavanur where about 200 people live today. There were five of us — Hari, Balu, my brother Ashok, cousin Varadu, and myself. We arrived unannounced in order to experience the village's normal daily routine and because prior knowledge of our visit could have turned this into a festive affair thus derailing the very purpose of the trip.

Although we had all agreed beforehand to let circumstances dictate where our resources could best be applied, prior to returning to Mavanur we had hoped to target the village school as our first priority for assistance and, as luck would have it, we landed at the right spot within minutes of entering the tranquil village. As soon as we got off the minibus after a bumpy four-hour ride from Bangalore, we spotted the local primary school across from the bus stand square and met the young male teacher. He took us to the headmaster's office and soon the village chairman also joined our meeting.

Our desire to target a primary school for assistance was based on one of Mahatma Gandhi's quotations that "ignorance is the worst form of poverty."

Imagine not being able to read or write and to perpetuate a cycle of poverty by bearing numerous children who, in turn, will lack the life skills necessary to improve their own lot. Hence we felt our collective focus to

help the primary school was appropriate, although we would have been open to other areas of assistance if asked to do so.

We were given a tour of the seven-room school, which has a current enrolment of 130 students who come from all around the area to attend classes. The students were squatting on the floor for lack of any furniture and were distracted by the city slickers as we peeped into some of the classrooms. The quick-thinking young teacher who we had met near the bus stop summoned a bunch of girls to give an impromptu dance performance for the unexpected visitors. We were told that this dance troupe had recently bagged the first prize in their category in the district inter-school competitions.

The mercurial, chirpy bunch assembled in a circle around a pole that had several ropes drooping down. Each one tied the lower end of the rope to their waist to form a radial skeletal umbrella formation without the web. With two sticks each in their arms they started singing and dancing around the pole in a precise pattern to the haunting drum beat of a lone boy as they began to form a braid. The rhythmic folk song continued as the girls eventually formed and then unwound the braid without any entanglement.

I could barely keep my eyes dry during this simple but moving performance. On the school walls were typical children's drawings depicting the sun, stars, various animals and even a drawing of the human digestive system. It also became evident that the school had slightly more girls than boys, a good sign that the next generation will have some skills to make a better life. (In the past it has been the custom to deny girls an education and to marry them off at an early age. A recent, more sinister development — hopefully not in Mavanur — is the use of genetic screening to identify and then abort female fetuses to avoid the cost of paying for a wedding, which traditionally is borne exclusively by the girl's parents.)

After the dance performance we had a meeting with the school staff and the

village chairman so that we could listen to their needs. Surprisingly, we were only asked to stay connected to the village and to help with the provision of some very modest repairs and materials.

The provincial government in the area has initiated a daily lunch program for primary school students. Although it's only a simple meal of rice and sambar (soup) cooked daily in one of the school rooms, it accomplishes three objectives—it helps to ensure 100 percent student attendance, provides necessary nourishment, and leads to all students receiving a basic education.

All we were asked to provide were aluminum plates and tumblers used to serve these lunches, benches and desks for the classrooms, and construction of a multi-hand wash station with an overhead water tank. (We also bought some sports equipment—volleyballs, badminton sets, skipping ropes and, of course, cricket equipment.)

We recently delivered all these items, some of them in time for the 2006 Gandhi Jayanthi (birth) Day celebrations in October. Our whole family was represented at this event so that we could all see first-hand the excitement of both the young and the old residents as the requested items were delivered.

Although I was not born in Mavanur, all of us come from some such village if only we cared to trace our ancestry back far enough. The migration to cities, which is still only a relatively recent phenomenon, often leads former villagers to a life of crushing poverty in one of the world's burgeoning slums.

As Bharathi and I discuss our plans for our not-so-distant retirement, we've begun to look at the legacy we



Standing left to right in front of the school's new multi-hand wash station are the teacher Suresh first met when getting off the bus in Mavanur, Suresh's brother-in-law, Hari, niece, Pavitra, sister Geetha, cousin, Shalla, sister-in-law, Mythili and brother, Ashok.

would like to leave. Part of that legacy involves giving back and to that end we've decided that our next trip will be to Bindiganavele, India, my wife's ancestral village. There we hope to also set up a V.I.P. program. It's a selfish act in some ways because there's a certain truth in the cliché that it's better to give than receive. But we both also feel it's important to stay connected to one's roots so that we can pass on our knowledge and experience to those who will follow us.

While it is important not to disturb the equilibrium of the village life or to expect rewards for the contributions provided, the V.I.P. program offers a conduit for all of us to reconnect to our roots. If you cannot trace your ancestry to a village of your own in need of assistance, adopt one instead. If each one of us supported and cared for those who still eke out a living in small vil-

lages, the benefits would be numerous, including reversing the trend—or at least stemming the tide—of abandoning rural villages for an urban existence in already overcrowded cities. Your assistance could also help provide an education for those villagers who do leave so that at least they have some marketable skills that might help them earn a decent living.

The V.I.P. program is, of course, applicable not only to India, but in a broader sense it's relevant to all countries and continents. Can we dream of a green Africa? How about improving life in a northern Aboriginal community right here in Canada? Can we see ourselves in 'the other' and give a little to those who have much less? Often I am a dreamer and an eternal optimist and I hope that some of you will see the wisdom of following your own dream and leaving your own distinctive mark. ■

Mavanur Suresh did his postdoctoral work in cancer research at the Scripps Clinic and Research Foundation in La Jolla, California. A research idea he submitted at that time resulted in him being awarded the senior Usher Fellowship at England's University of Cambridge where he worked at the world-renowned Laboratory of Molecular Biology, eventually becoming a life Fellow of Clare Hall.

"It was here," says Suresh, "that I also experienced the unique atmosphere of working alongside four Nobel

laureates. Topping that was the telegram that came from Stockholm in October 1984, informing us that my lab supervisor [Cesar Milstein, co-winner with Georges Kohler] was awarded the Nobel Prize for Physiology and Medicine."

As well as being the chief scientist for U of A spin-off company Biomira Inc., Suresh is also the vice-president of research and development for another University spin-off company, IGY Inc.



quaecumque vera

Something Fishy in B.C.

Two U of A researchers—PhD candidate Martin Krkosek (lead author) and biological sciences professor Mark Lewis—have pointed the finger at aquaculture in fatal infections of sea lice that kill off up to 95 percent of the juvenile salmon that swim past salmon farms on their way to the open ocean.

In the study, entitled “Epizootics of Wild Fish Induced by Farm Fish” and published in the journal *Proceedings of the National Academy of Sciences*, it was found that the more salmon farms along the migration route of the smolts to the sea, the more likely they were to contract the fatal infection. The study was conducted in British Columbia’s Broughton Archipelago and involved over 14,000 fish netted over a two-year period.

“Before we knew there were potential problems,” says Krkosek. “Now it’s very clear we have severe problems.”

Under natural conditions the juveniles do not occupy the migration routes at the same time as the adults, so the adults don’t pass on the lice that they commonly have to the vulnerable juveniles. But fish farms have changed that paradigm. The farmed fish are kept in floating net pens anchored in the migration channels, often forcing the smolts to swim through a cloud of sea lice.

All it takes is one sea louse to attach itself to the smolt for death to result because, unlike mature salmon, the juveniles have yet to develop the defensive scales and sufficient size to withstand the assault. Once attached, the lice, which can be as large as a centimetre across, feed on the two-to-five centimetre long smolt’s skin, mucous, muscle and blood, creating lesions that prove fatal in a harsh ocean environment.

“It takes only one or two sea lice to kill a juvenile pink or chum salmon,” says Krkosek. “When we were out there sampling these fish, it was really challenging to persevere through that, because you’re collecting thousands of

fish and all of them are heavily infested and dying.”

“Everyone knows that only a small fraction of wild juvenile salmon survive to return as adults,” adds Lewis. “The fish-farm sea lice are killing those survivors.”

There are currently around 280 salmon farms in Canada producing approximately 96,000 tonnes of fish worth \$387 million a year with about 30 farms in Broughton Archipelago out of the around 100 in British Columbia. So the most recent findings are not good news for B.C.’s fish farm industry, although Krkosek says the damage from parasitic sea lice could be partially mitigated by adding anti-lice treatment into the farmed fishes’ food. But that route is prone to backfiring as the lice could develop a resistance to the treatment and it’s expensive as the fish have to be contained longer to enable the chemicals to leave their bodies.

He suggests that a better approach would be to relocate fish farms away



from the mouths of rivers and narrow migration corridors to increase the odds that the smolts will reach the open ocean before encountering the deadly lice.

“People think they’re doing wild fish a favour by eating farmed fish,” says Krkosek. “But the reality is they’re supporting an industry causing these kind of disease problems. Combine this with the economic issue of dropping salmon prices because of the abundance of farmed fish and that means the commercial fishermen have to fish harder to make a living. So it’s a net loss of wild salmon that we’re achieving by moving to farming.”



Krkosek at the helm of a boat in Broughton Archipelago and (above) the sea-lice-infected salmon smolts.

Hourglass Figure

It was the real Captain Crunch of its day, chewing up the bugs and grubs that proliferated in the subtropical swamp that was central Alberta about 60 million years ago... and now it has a name—*Horolodectes sunae*, from the Greek, “Hourglass biter.”

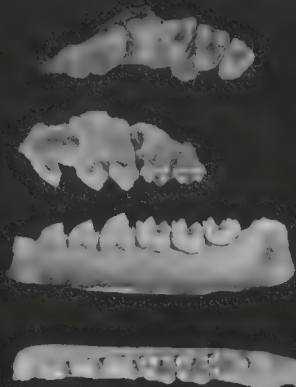
For close to 30 years sharp, pointy teeth in the shape of an hourglass and jaw fragments of an unknown creature kept turning up along the banks of central Alberta’s Blindman River and later more were found in a creek near Drayton Valley.

Now University of Alberta PhD biological sciences student **Craig Scott**, '96, BSc, '01 MSc, along with co-authors **Michael Webb**, '92 BSc, '96 MSc, and professor emeritus Richard Fox, have published a paper in the *Journal of Paleontology* that gives the extinct creature a name. They also describe *Horolodectes* as a furry mammal that

was approximately 10–15 centimetres from nose tip to tail end. Its size made it one of the largest creatures of its time—approximately 10 million years after the extinction of the dinosaurs when mammals were emerging as Earth’s dominant life form (if you don’t count insects).

Because *Horolodectes*’ upper and lower teeth were never found together—and a complete skeleton has still not been found—it took this long to piece together the puzzle of what this possibly tree-dwelling creature actually was.

“In an area of North America that’s been fairly well studied, it’s unusual to have a new critter pop up,” says Scott. “And this one is unique to Alberta. It’s not known anywhere else. And it was a large mammal, compared to most of its contemporaries.”



Horolodectes sunae teeth—a unique Alberta find.

Although all the researchers had to work with were the teeth and jawbone fragments of this hedgehog-sized creature, those tell their own tale. “Looking at those teeth it’s pretty clear this thing was not chomping on leaves,” Scott says. Another unusual feature of this creature is that other fossilized remains usually have some correlation to modern-day descendants. Not so with *Horolodectes*.

“It’s too bizarre a creature to place in any group that we know about,” says Scott. “We have no complete skull or other parts of the body and until we can find more of it it’s an open question where it fits in evolutionarily.”

Heart Concern

Back in 2003 **Padma Kaul**, '00 PhD, was one of the authors of a study that pointed out that young women who suffer from a heart attack don’t fare as well in the long term as men of the same age. It’s no surprise that Kaul was involved in this study since the U of A assistant professor’s research focus is on issues relating to the delivery of cardiovascular care amongst different age groups, comparing international practices and their outcomes in the treatment of heart disease, and the economic impact of new health technologies.

Her most recent study, reported in October at the Canadian Cardiovascular Society meeting in Vancouver, involved tracking over 16,000 heart patients who presented themselves for care at Alberta emergency departments between July

1998 and March 2000. This study found that patients who were depressed and having heart problems were at a greater risk of dying than those who were not depressed—especially if the patient is male. Elderly men with depression were at a 60 percent higher risk of one-year mortality compared with men who were not depressed.

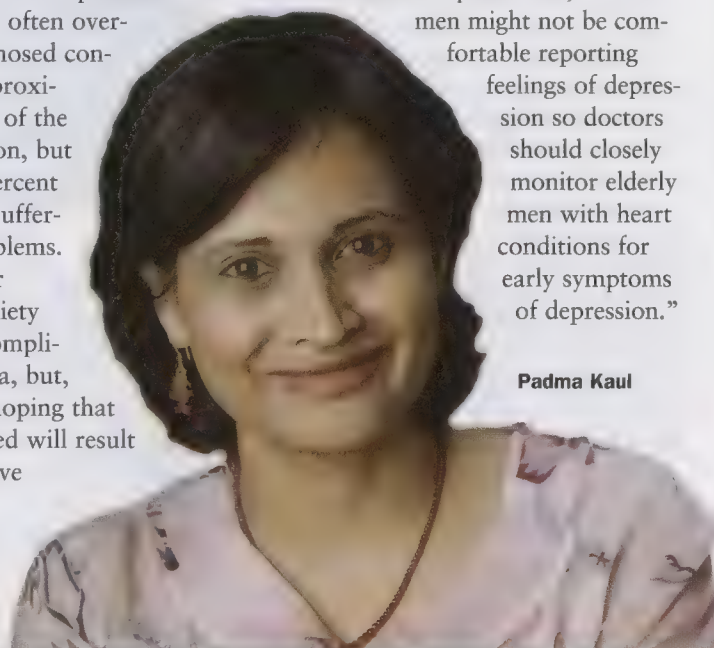
Depression is an often overlooked and undiagnosed condition affecting approximately five percent of the Canadian population, but rising to over 13 percent in elderly patients suffering from heart problems. It’s unclear whether depression and anxiety lead to coronary complications or vice versa, but, says Kaul, “we’re hoping that the data we collected will result in more collaborative follow-up care between cardiologists, psychiatrists

and family physicians for these patients. Everyone involved in the treatment of these patients should know that males especially are at a higher risk of mortality if they are depressed.”

Of course, it’s also the age-old problem of men not wanting to stop and ask for directions when lost because, as Kaul points out, “Some

men might not be comfortable reporting feelings of depression so doctors should closely monitor elderly men with heart conditions for early symptoms of depression.”

Padma Kaul



Laughing Dog Photography, courtesy of AHFMR.



CALL FOR NOMINATIONS

2007 ALUMNI RECOGNITION AWARDS

University of Alberta alumni bring honour to themselves and their alma mater in a multitude of ways. The Alumni Recognition Awards celebrate the notable achievements of alumni and recognize the diverse ways that alumni make unique contributions to society.

At a gala ceremony held on Thursday, September 27, 2007,
the recipients of the following awards will be honoured:

- Distinguished Alumni Award
 - Alumni Honour Award
- Alumni Award of Excellence
 - Alumni Horizon Award

DEADLINE FOR NOMINATIONS IS MARCH 1, 2007



UNIVERSITY OF
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GUIDELINES FOR NOMINATION ALUMNI RECOGNITION AWARDS

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(UP TO 5 AWARDED)

Recognizes the truly outstanding accomplishments of living University of Alberta alumni who have earned national or international prominence as a result of their outstanding professional achievements and/or service to society.

Guidelines For Nomination:

- Complete the Alumni Recognition Awards Nomination Form.
- Provide brief answers (150 words or less) to each of the following questions:
 1. In what ways are the nominee's achievements exceptional?
 2. How has the nominee contributed to society and/or served the community?
 3. In what ways can the nominee be considered an inspiration to current students?
- Attach a *minimum of two* letters of reference in support of this nomination.

ALUMNI HONOUR AWARD

(UP TO 18 AWARDED)

Recognizes the significant contributions made over a number of years by University of Alberta alumni in their local communities and beyond. The awards are presented to alumni who have made outstanding contributions to their professions, their communities, society at large of the University of Alberta.

Guidelines for Nomination:

- Complete the Alumni Recognition Awards Nomination Form.
- Provide a brief (500 words or less) description of the nominee's achievement (nature, scope and impact).
- Attach a minimum of one letter of reference in support of this nomination.

ALUMNI AWARD OF EXCELLENCE

(UP TO 8 AWARDED)

Recognizes specific, recent accomplishments of University of Alberta graduates (in the last 12 months prior to the nomination deadline in March). Accomplishments may take the form of major awards, national or international honours, major championships, appointment to high office, etc.

Guidelines for Nomination:

- Complete the Alumni Recognition Awards Nomination Form.
- Provide a brief (500 words or less) description of the nominee's accomplishments (nature and scope) and when these accomplishments occurred.
- Attach a *minimum of one* letter of reference in support of this nomination.

ALUMNI HORIZON AWARD

(UP TO 8 AWARDED)

Recognizes the outstanding achievements of University of Alberta alumni early in their careers (within 12 years of receiving a bachelor's degree or within 10 years of receiving an advanced degree).

Guidelines for Nomination:

- Complete the Alumni Recognition Awards Nomination Form.
- Provide a brief (500 words or less) description of the nominee's achievements (nature and scope) and when these achievements occurred.
- Attach a minimum of one letter of reference in support of this nomination.

Note: Sitting politicians, current Alumni Association Council members and their family members are ineligible for these awards; however, exceptions may be made where an award is time sensitive.



2007 NOMINATION FORM

(Deadline: March 1, 2007)

As indicated by the box(es) checked, I am submitting a nomination for the following award(s):

- | | |
|---|---|
| ☐ Distinguished Alumni Award | ☐ Alumni Honour Award |
| ☐ Alumni Award of Excellence | ☐ Alumni Horizon Award |

NOMINEE:

Nominee's Full Name: _____

Nominee's Mailing Address: _____

Telephone: _____ Fax: _____ E-mail: _____

Nominee's Current Position/Occupation: _____

Nominee's educational attainment at the University of Alberta: _____

Other Degrees (if known): _____

The nominee ☐ does know that he/she has been nominated for this award.

☐ does not know that he/she has been nominated for this award.

NOMINATOR:

Nominator's name: _____

Nominator's address: _____

Telephone: _____ Fax: _____ E-mail: _____

Nominator's signature: _____ Date: _____

REFERENCE(S): (Names of those providing a letter of support.)

1. Name: _____ Title: _____

2. Name: _____ Title: _____

ATTACHMENTS:

Please attach the appropriate supporting documentation and references. Additional materials are not required.

Note: Nominations are considered for two years; however, the nominator is responsible for updating supporting information as needed.

Nomination Deadline: March 1, 2007

Please send completed nomination forms to: Alumni Recognition Awards, Office of Alumni Affairs,
6th Floor General Services Building, University of Alberta, Edmonton, AB T6G 2H1

Nominations can be faxed to (780) 492-1568 or completed online at www.uofaweb.ualberta.ca/alumnirecognition.

For more information contact 492-3224 or 1-800-661-2593.

*All nominations received by the deadline will be considered. The final decision as to the awarding of awards will be made by Alumni Council;
Council and its committees may choose to bring forward additional names for consideration during the selection process.
Recipients are announced in June. Nominators will be notified by mail.*

The personal information requested on this form is collected under the authority of Section 33(c) of the Alberta Freedom of Information and Protection of Privacy Act for the purpose of administering alumni relations for the University of Alberta and for the purpose of determining alumni's eligibility to receive an award offered by the University of Alberta. Any information submitted to the Alumni Office may be used to update your record with our office.

PREVIOUS AWARD RECIPIENTS: For bios visit www.uofaweb.ualberta.ca/alumnirecognition

DISTINGUISHED ALUMNI AWARD

John Acom, '80 BSc, '88 MSc
Doris Anderson, '45 BA, '73 LLD (Hon)
Margaret Ann Armour, '70 PhD
Marjorie Bowker, '38 BA, '39 LLB, '91 LLD (Hon)
Joseph Charyk, '42 BSc(Eng), '64 LLD (Hon)
Robert Church, '62 BSc(Ag), '63 MSc
C. Joseph Clark, '60 BA, '73 MA, '85 LLD (Hon)
John S. Colter, '45 BSc
Stuart Davis, '39 BSc(Eng), '40 MSc
Louis A. Desrochers, '52 LLB, '78 LLD (Hon)
Patrick Doyle, '47 BSc, '49 MD
Clare Drake, '58 BEd, '95 LLD (Hon)
Lila Engberg, '49 BSc(HEC)
Anthony Fields, '74 MD
Eldon Foote, '45 BSc, '48 LLB, '96 LLD (Hon)
Catherine A. Fraser, '69 BA, '70 LLB
Eric Geddes, '47 BCom, '80 LLD (Hon)
Katherine Govier, '70 BA
Paul Gross, '77 BFA
John Hagan, '71 MA, '74 PhD
Jay D. Hair, '75 PhD
Ted Harrison, '77 BEd
Richard Haskayne, '56 BCom, '96 LLD (Hon)
Naomi Hersom, '69 PhD, '92 LLD (Hon)
Myer Horowitz, '59 MEd, '90 LLD (Hon)
Helen Huston, '49 BSc, '51 MD, '85 LLD (Hon)
Jay Ingram, '67 BSc
Francis Johnson, '40 BSc
Elizabeth G. Jones, '55 BSc(HEC)
Walter Kaasa, '51 BEd, '93 DLitt (Hon)
Egerton King, '43 BSc(Eng), '88 DSc (Hon)
Maria M. Klawe, '73 BSc, '77 PhD
Arthur Kroeger, '55 BA, '04 LLD (Hon)
Robert Kroetsch, '48 BA
Harold Kvisle, '75 BSc(Eng)
Jong Pil Lee, '70 PhD
Raymond Lemieux, '43 BSc, '91 LLD (Hon)
J. Wilton Littlechild, '67 BPE, '75 MA, '76 LLB
Peter Loughheed, '51 BA, '52 LLB, '86 LLD (Hon)
Gerald Maier, '51 BSc(Eng), '99 LLD (Hon)
Donald C. Mackenzie, CM, '59 BCom, '03 LLD (Hon)
E. Preston Manning, '64 BA
Alex F. McCalla, '61 BSc(Ag), '63 MA
Ernest McCoy, '47 BSc, '49 MD
Beverley McLachlin, '65 BA, '68 MA, '68 LLB, '91 LLD (Hon)
David McLean, '59 BA, '62 LLB, '94 LLD (Hon)
Roland Michener, '20 BA, '67 LLD (Hon)
Tevie Miller, '49 BA, '50 LLB, '91 LLD (Hon)
W.O. Mitchell, '43 BA, '75 LLD (Hon)
Barbara Paterson, '57 Dip(Arts), '88 BFA
John Poole, '37 BSc(Eng), '87 LLD (Hon)
Ray V. Rajotte, '71 BSc(Eng), '73 MSc, '75 PhD
Stephen Ramsankar, '61 BSc, '63 BEd, '89 LLD (Hon)
Anatol Roshko, '45 BSc(Eng)
Henry J. Shimizu, '52 BSc, '54 MD
Joseph Shocter, '45 BA, '46 LLB, '81 LLD (Hon)
Glenda Simms, '74 BEd, '76 MEd, '85 PhD, '95 LLD (Hon)
Christopher Somerville, '74 BSc, '76 MSc, '78 PhD, '97 DSc (Hon)
Margaret Southern, '53 BPE
Donald Stanley, '40 BSc(Eng), '88 DSc (Hon)
George Stanley, '29 BA, '71 LLD (Hon)
Robert Steadward, '69 BPE, '71 MSc, '02 LLD (Hon)
Robert Stollery, '49 BSc(Eng), '85 LLD (Hon)
Don Tapscott, '78 MEd, '01 LLD (Hon)
Richard Taylor, '50 BSc, '52 MSc, '91 LLD (Hon)
Toh Swee-Hin, '74 MEd, '80 PhD
James Westvick Thorsell, '62 BSc
D. Lorne Tyrrell, '64 BSc, '68 MD
Malcolm Urquhart, '40 BA
Thomas Walsh, '49 BA, '53 LLB, '89 LLD (Hon)
Anne Wheeler, '67 BSc, '90 LLD (Hon)

Francis Winspear, '51 LLD (Hon)
William Winspear, '54 BCom
Ovid Wong, '70 BSc, '71 Dip(Ed)

ALUMNI HONOUR AWARD
Loraine R. Altenweg, '75 BCom
Harvey Anderson, '64 BSc(Ag), '66 MSc
Donald F. Archibald, '82 BCom
Genevieve C. Balogun, '75 BLS
Rick Beaver, '80 MSc
Dennis Bedard, '76 BSc, '78 DDS
C. Fred Bentley, '39 BSc(Ag), '42 MSc, '90 LLD (Hon)

Ron Bercov, '59 BSc
Roy Berg, '50 BSc(Ag)
Michael Boorman, '69 BSc, '71 MD
J. Lorne Braithwaite, '63 BCom
Richard T. Brownlee, '63 MD, '66 MSc
Gary Campbell, '58 BCom, '62 LLB
Phyllis Cardinal, '80 BEd, '91 Dip(Ed)
Gordon Clark, '46 BSc, '48 MD
Joseph L. Cloutier, '87 BEd, '90 MEd, '97 PhD
Bruce Coggles, '72 BEd, '75 BA
Jean E. Côté, '64 LLB
Eugene J. Creighton, '85 LLB
Jean-Michel Crépin, '77 BSc(Ag)
Howard Crone, '84 BSc(Eng)
Lorna Crozier, '80 MA
Ron Cummings, '59 BA, '60 LLB
Janet Davidson, '84 MHSA
Cecilia Day, '73 BA, '74 LLB
Robert de Frece, '69 BSc, '75 BEd
John C. Demco, '73 BSc
Gerald DeSorcy, '55 BSc(Eng)
C. C. Stuart Donaldson, '68 BA
Jim Donlevy, '59 BPE, '61 BEd
Ralph Anderson Farvolden, '67 BA
Brian A. Felesky, '67 BA, '68 LLB
Mark Freeman, '81 BSc
George Goldsand, '59 MD
Steven Glover, '87 MBA
Buckley Godwin, '54 BSc(Ag), '64 BEd
Donna Goodwin, '78 BPE, '80 MA, '00 PhD
Douglas Goss, '81 BCom, '84 LLB
Allan Gregg, '72 BA, '74 MA
Walter Harris, '38 BSc
Allen R. Hagerman, '73 BCom
Brian Hesje, '69 BEd, '73 MBA
Robert Hironaka, '51 BSc(Ag), '53 MSc
Gordon Hoffman, '66 BA, '74 LLB
Harry Hole, '44 BSc(Eng), '05 LLD (Hon)
William Hurlburt, '48 BA, '49 LLB, '97 LLD (Hon)
Brenda Huband, '86 BSc(Nu)
Nat Indrapana, '73 PhD
Gordon Orval Johnson, '51 BSc(Ag)
Dennis M. Kadatz, '60 BPE, '61 Dip(Ed), '65 MA
Yusuf A. Karbani, '73 MBA
Louanne Keenan, '75 Dip(DentHyg), '81 BA, '95 MEd, '02 PhD
Wallis Kendal, '69 BEd
Peter G. Kevan, '70 PhD
Harold Kingston, '73 BCom
Hugh Knowles, '57 MSc
Michael Kostek, '50 BEd, '59 Dip(Ed)
Philip Lachambre, '76 BCom
Ted Langford, '72 BEd
Peter K.K. Lau, '75 BCom
Hugh Lawford, '54 BA, '55 LLB
Patrick Lee, '70 BSc, '78 PhD
Christine Lefavre, '79 BSc(OT)
Irene G. Lewis, '80 BEd, '84 MEd
Mary Lobay, '63 BEd, '66 MEd, '92 LLD (Hon)
James A. Lore, '54 BSc(Ag)
Jeffrey C. Lozon, '78 MHSA
Monoly Lupul, '50 BA, '51 BEd
Linda Lusby, '78 MSc

John Mah, '75 BA, '76 LLB
John R. Mackey, '90 MD
Barbara MacKinnon, '74 Dip(RehabMed), '76 BSc(OT)
David Magee, '72 BSc(PT), '75 MSc, '80 PhD
Leona J. Makokis, '89 BEd
Tony Mandamin, '82 LLB
Dru Marshall, '82 MSc, '89 PhD
Margaret Meikle, '78 BSc(HEC)
L. Kirk Miller, '65 BA
Larry Milligan, '61 BSc, '63 MSc
Karen Mills, '56 Dip(Nu), '69 BSc(Nu), '79 MHSA
Ed Molstad, '67 BSc, '70 LLB
Billy Moores, '71 BPE, '72 Dip(Ed)
Patrick Moran, '51 BSc(Ag)
Mary Moreau, '79 LLB
Hugh Morrison, '30 BA
Jean E. Mucha, '65 BEd, '79 MEd
Yvonne Munn, '50 Dip(Nu), '51 BSc(Nu)
Susan Natrass, '72 BPE, '74 MA, '88 PhD
Ronald Odynski, '73 BA, '74 LLB
Joanne O'Gorman, '74 Dip(RehabMed), '75 BSc(PT)
Esther Ondrack, '63 BA
Judith Padua, '62 BA
Darwin Park, '67 BPE
John R. Perraton, '69 BCom, '73 LLB
Trey Petty, '82 BSc, '84 DDS
William T. Pidruchney, '56 BA, '60 LLB
Peter C. Read, '86 BSc(Eng)
David W. J. Reid, '54 BSc, '56 MD
Barbara Rocchio, '61 Dip(Nu), '64 BSc(Nu), '88 MEd
Catherine M. Roozen, '77 BCom
Barbara Rothe, '60 Dip(RehabMed)
Bruce A. Roy, '59 BSc(Ag)
Fred H. Russell, '72 BSc(Eng)
Ivor Ruste, '77 BCom
Peter Savaryn, '55 BA, '56 LLB, '87 LLD (Hon)
Donald P. Schurman, '79 MHSA
Amil B. Shapka, '78 BSc, '90 DDS
Judy Sherman, '83 BEd
Larry Shipka Sr., '64 BSc(Pharm)
Margaret A. Shone, '76 LLM
Pawan K. Singal, '74 PhD
Murray F. R. Smith, '48 BEd, '74 PhD
Nizar Somji, '85 MEng
William Stephen, '54 BCom
Janet L. Storch, '62 Dip(Nu), '63 BSc(Nu), '77 MHSA, '87 PhD
Marcella M. Szel, '74 BA, '75 LLB
Gordon W. Thompson, '65 DDS
Frances Vargo, '67 Dip(RehabMed), '76 BSc(PT), '79 MEd, '83 PhD
W. Ross Walker, '56 BCom
Gordon Warnke, '78 BSc, '81 LLB
Elizabeth Webster, '80 BSc(Speech)
Darol J. Wigham, '53 BSc
Evelyn G. Wigham, '53 BSc
Leonard Zaichkowsky, '66 BPE

ALUMNI AWARD OF EXCELLENCE

Jack Agrios, '59 BA, '60 LLB
Edward B. Allan, '51 BCom
John E. Bradley, '40 MD, '72 LLD (Hon)
Donald G. Bishop, '61 BA, '62 LLB
Julius Buski, '66 BEd
John Butt, '60 MD
Valerie J. Campbell, '99 LLB
Janet Cardiff, '83 MFA
Seokhee Cho, '86 PhD
Elizabeth Crown, '78 PhD
Terry (Taras) Danyluk, '91 BPE, '04 MA
Melody Davidson, '86 BPE
Wendy Edey, '74 BA, '95 MEd
Heather S. Fuhr, '89 BCom
John Gill, '80 LLB
William D. Grace, '56 BA

Ki-hyung Hong, '82 PhD
James Jacuta, '79 BA, '82 LLB
Michael Kaye, '88 BA
Bernie Kotelko, '76 BSc(Ag)
Bruce Johnson, '83 BSc
Ginette Lemire Rodger, '95 PhD
Beng Fook Lim, '99 MSc(Eng)
David T. Lynch, '82 PhD
Linda MacPhee, '65 BSc(HEC), '71 Dip(Ed)
Dave Markle, '58 BSc(Eng)
Daniel McCaffery, '69 BPE, '76 MA
Beverley McLachlin, '65 BA, '68 MA, '68 LLB, '91 LLD (Hon)
Louise A. Miller, '71 BSc(Nu), '79 MBA
Jack Mintz, '73 BA
M.Anne Naeth, '76 BSc, '85 MSc, '88 PhD
Nellif Antonio Peruch, '70 BA, '74 MA
Scott Pfeifer, '00 BSc, '04 MBA
Jane Ash Poitras, '77 BSc, '83 BFA
John C. Poon, '74 BA, '84 LLB
Sally Rehorkick, '69 BA, '71 MA
Marcel Rocque, '96 BEd
Sean Stewart, '86 BA
Darwin Park, '67 BPE
Shirley Stinson, '52 Dip(Nu), '53 BSc(Nu)
Vern Thiessen, '92 MFA
Allan Wachowich, '57 BA, '58 LLB
Ernest J. M. Walter, '63 BA, '64 LLB
George Webber, '73 BA
Lingyun (Lily) Wu, '91 MSc

ALUMNI HORIZON AWARD

Todd Babiak, '95 BA
Greg Ball, '93 BA
Steve Blackman, '97 LLB
Lorne Cardinal, '93 BFA
Malachy Carroll, '94 MSc
Byron Cassey, '92 BCom
Tim Caulfield, '87 BSc, '90 LLB
Marty Chan, '90 BA
Todd Chemiawsky, '93 BFA
Kelly Chichak, '94 BSc, '02 PhD
Evan Chrapko, '88 BCom
Shane Chrapko, '90 BSc(Ag)
Mark Cranwell, '95 LLB
Carmen deAntoni, '90 BCom
Christina Ellis, '96 BA
Carole Anne Estabrooks, '81 BSc(Nu), '97 PhD
George "Jody" Fraser, '92 BA, '96 LLB
Leela J. Gilday, '97 BMus
Su-Ling Goh, '95 BSc
Norm Gretzinger, '91 BCom
Jocelyn L.H. Grozic, '94 BSc(Eng), '99 PhD
Daniel Hlus, '89 BSc
Kathryn M. King, '9 MNu, '97 PhD
Tatia Lee-Chan, '92 MEd, '95 PhD
Nicole Letourneau, '94 MNu, '98 PhD
Geoffrey Lilge, '94 BA
Patricia Marck, '80 BSc(Nu), '91 MNu, '00 PhD
Randy McCoy, '92 BA
Jasmine Nahhas di Florio, '94 BA
Robert Noce, '91 LLB
Christine Nordhagen, '94 BEd
Robert J. Opp, '94 BA (AUG)
Val Pappes, '90 BCom
Micheline Piquette-Miller, '86 BSc(Pharm), '94 PhD
Marla Quinney, '94 BSc(OT)
Kerry Rittich, '92 LLB
Marvin Schmidt, '95 BCom
Rohit Sharma, '91 MSc, '96 PhD
Myrna Simpson, '93 BSc, '99 PhD
E. Paul Slomp, '03 BSc(Eng)
Michael Stickland, '97 BPE, '04 PhD
Iain Walker, '86 BSc(Eng), '89 MSc, '93 PhD
Thomas Wharton, '91 BA, '93 MA
Jennifer Wood, '90 BSc(Ag)

The Beat Goes On

Ordinarily about as big as the closed fist of its human host, at maturity it weighs about 300 grams and over its average lifetime will beat more than three billion times while pumping over 300 million litres of blood through the veins. We're talking, of course, about the human heart.

But when the beat doesn't go on as it should, sometimes the only resort is a heart transplant. Waiting for a compatible donor heart has just gotten a little easier for pediatric patients with the announcement of an agreement between Berlin Heart and Capital Health.

Berlin Heart has been in business since 1997, but the company only recently developed and had approved a mechanical heart designed solely for children. And under the agreement with Capital Health, the University of Alberta's Stollery Hospital will be the first site in North America to train doctors how to implant the artificial hearts.

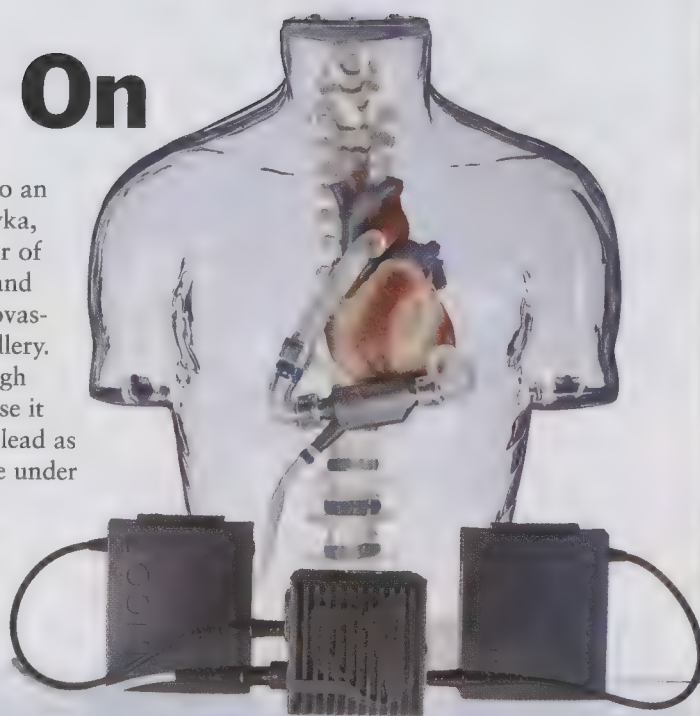
"What's so unique about the Berlin Heart is that it exists in various sizes that make it suitable for anyone—

from a newborn baby to an adult," says Ivan Rebeyka, U of A clinical professor of surgery and pediatrics and head of pediatric cardiovascular surgery at the Stollery. "It's also compact enough that the children who use it can remain mobile and lead as normal a life as possible under the circumstances."

Before now the only implantation training for the device was in Berlin. Now Capital Health will be providing training and assistance on the devices across Canada and the western United States.

"It's absolutely great for us," Rebeyka says. "Our team has a lot to offer in expertise."

What the Alberta team can now offer is complete support across the country and south of the border on how to go about saving young lives with the Berlin



Heart. "Whatever it takes that's what we'll do," says Patti Massicotte, U of A professor of pediatrics and director of the Stollery's pediatric thrombosis program. "If we have to send a team to assist surgeons with an implantation, we'll do that. Advice and support—we'll also do that. Whatever it takes to help children with heart disease."



The snows of Kilimanjaro recently saw a U of A presence in the form of a wrist-watch-like device that sent medical data back to Edmonton from Africa's famed highest peak. **Steve Sutphen**, '76 MSc, faculty service officer in the Department of Computing Science, and Canadian Space Agency employee Martin Lebeuf wore the devices developed at the University as they submitted the 5,895-metre mountain in November as part of an Arthritis Society fundraiser involving 65 climbers along with 20 guides and 100 porters.

As Sutphen and Lebeuf climbed the mountain the Wireless Wearable Physiological Monitor (WWPM) transmitted their exact location and heart rate back to Edmonton.

Masako Miyazaki, '75 BSc(OT), '84 MSc, principal investigator and associate professor in the Faculty of Rehabilitation Medicine, initiated the WWPM project back in 2001 over concerns for patients in a hospital environment hooked up to machines that couldn't provide an accurate reading of their vital signs during normal day-to-day existence outside of the hospital.

"Users are very happy that it's not intrusive," says Miyazaki, "and it's user-friendly, without too many wires, so elderly patients can use it and stay in their own homes and communities where they're more comfortable."

Not that Sutphen and Lebeuf were all that comfortable climbing Mount Kilimanjaro. But the point of this exercise was to test the WWPM in an inhospitable and remote environment.

"We proved this watch can work in an extreme environment," says Lebeuf, who suffered severe altitude sickness from 4,800 metres onward, which might explain why he forgot to turn on his battery pack for the final ascent. "This is the only device, to my knowledge, that allows a hospital to communicate with a patient in a remote location and I think it's absolutely incredible to have this kind of technology developed here in Canada. And I think now it could be very useful for people in remote communities who may need medical monitoring. Astronauts might even be able to use it in space."

U of A computer sciences and electrical engineering experts, Alberta's Capital Health Authority and Japan's Sapporo Medical University also contributed to the device's creation. "The fact that it's designed like a watch means it's wearable and users get peace of mind," says Miyazaki. "And we're very, very proud that behind this simplistic device a lot of sophisticated technology has been embedded."

Big Mac

Alumni in the oil sands capital of the world are not only interested in making a living, but are committed to making a life in boomtown

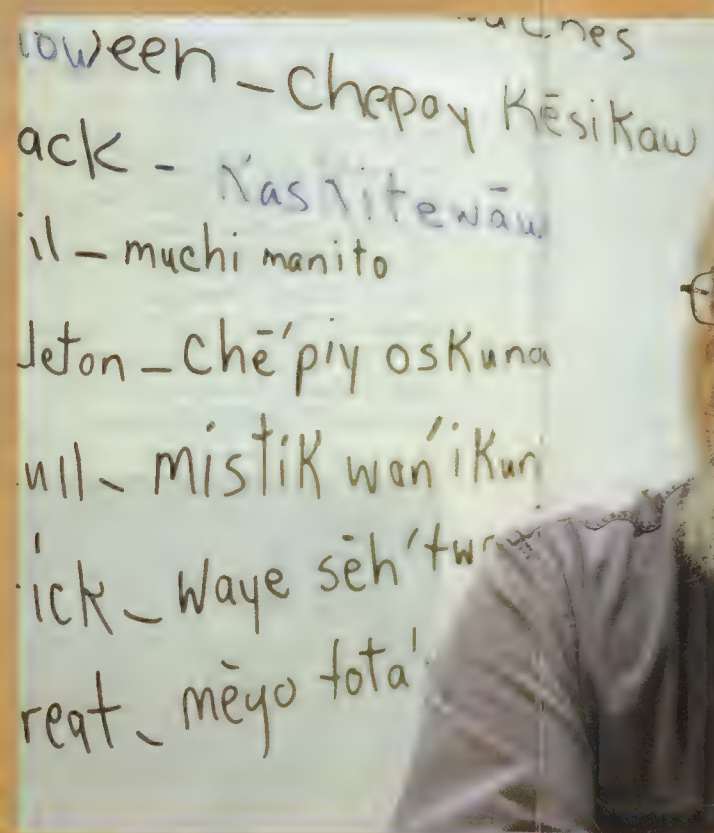
Over 30 years ago, when Rod Hyde, '65 MSc, arrived in the Fort McMurray area to teach elementary school, he found a derelict building serving as the school for the few hundred people living in Fort MacKay, a First Nation community about 60 kilometres north of Fort Mac. This community, perched on the banks of the Athabasca River and set in the heart of what would become the mammoth oil sands development, was on the precipice of profound change. Hyde had no idea he would bear witness to those changes for over three decades—much less be a participant in shaping events.

From the moment he arrived, however, Hyde resolved to gain the trust and respect of his new community. "I was interested in sports," says Hyde, who played for the Golden Bears hockey team when they won their first national championship in the mid-1960s under legendary coach Clare Drake, '58 BEd, '95 LLD (Honorary). "I was welcomed because I did things with the children; I got along with people well... and sports was the hook I used with the kids."

Hyde scoured the second-hand stores for hockey gear he could purchase to outfit the kids. He got involved on a recreation committee, and he helped the principal flood the rink beside the school. Hockey became the school's physical education program, and Hyde, who considers Drake one of the most important mentors in his life, parlayed his seminal experiences under Drake's tutelage into his own teaching—in the classroom and on the ice. In the summer, he also organized community baseball teams that travelled to Fort McMurray to compete in league play.

In 1978, the year a new school was finally built, Hyde found himself on a community development committee, along with Dorothy McDonald, an ambitious, outspoken advocate for her First Nations people. The two fell in love and married and Hyde suddenly found himself related to many people in the community. Daughter Dayle was born in 1980—the same year he became the school's principal—and son Dakota was born in 1984.

Around the same time as the couple's first child was born, McDonald became chief of the Fort MacKay First



Rod Hyde in the classroom.

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Nation. In that role she continued her tough-minded and persistent advocacy for the community, as it struggled to assert its rights under Treaty 8 (allowing native claim, including water and mineral rights, to an area of the North larger than France) and chart its course from a subsistence economy of hunting, trapping and fishing to an emerging wage economy driven by the arrival of an oil sands colossus.

Long before that colossus took shape, before the area's first large-scale commercial oil sands plant at the Mildred/Ruth Lakes deposit was constructed in the mid-'60s, David Hill's,

'78 BSc(Pharm), grandfather, Walter Hill, '21 Dip(Pharm), was making his living as a pharmacist in Fort McMurray. After returning from fighting in the First World War, Walter enrolled in the pharmacy program at the U of A. After graduation he hooked up with another pharmacist in Fort McMurray, Angus Sutherland, and the two began an enduring partnership that they parlayed into pharmacies in Fort McMurray and Yellowknife.

Walter's son, Ken Hill, '55 BSc(Pharm), followed in his footsteps. He, too, chose to practise in Fort McMurray, and, finally, Ken's son, David, followed his father and grandfather into the family business in Fort McMurray.

"We wanted to be here," says David. "We're proud of being part of this community." The third-generation pharmacist and his wife, Valerie White, '77 Dip(DentHyg), raised two children in the community and have become part of the social fabric of Fort McMurray, volunteering, donating, helping make things happen wherever they could. David continues to coach soccer and currently serves on the Vista Ridge ski hill board of directors.

Unlike Hill, Garry Ehrentraut, '78 BSc(Forest), didn't settle in Fort McMurray immediately after gradua-

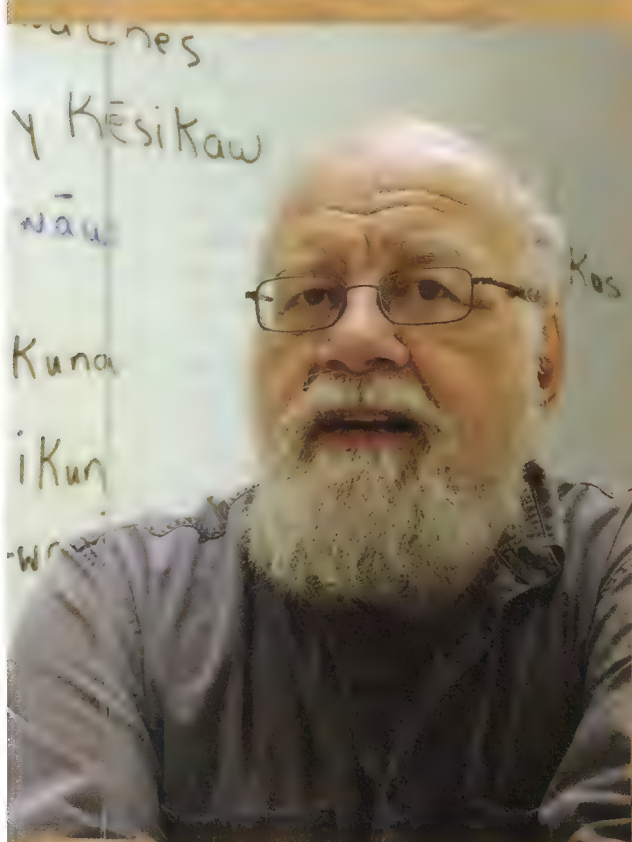


Three generations of Fort McMurray pharmacists: Walter Hill, 1921; Ken Hill, 1955; and David Hill, 1978

tion. He and his wife, Diane, '82 BCom, moved around Alberta before arriving 17 years ago. Their daughter, Kellie, was one month old, and her sister, Heidi, now in first-year engineering at the U of A, was just over a year old when they arrived. At that time, Garry had a job with the province of Alberta, but when the government downsized and he was asked to relocate, the couple realized they didn't want to leave.

They decided to stay and continued to remain involved in ringette, soccer and their church. They enjoy attending local theatre productions at Keyano Theatre, are avid members of a regular dinner club and they love the outdoors, whether it be cross-country skiing on the many trails throughout the city or at the local hill just minutes from the city. Diane works as an accountant with Meyers Norris Penny and Garry moved into private industry as woodlands manager for Northland Forest Products.

"My job is to get the logs into the mill," says the self-described dirt forester, "and that includes taking care of the surveying and environmental approval processes and harvesting, hauling and reforestation." The company is responsible for a huge tract of land, stretching as far north as Wood Buffalo National Park and as far east





Self-described “dirt forester” Garry Ehrentraut was asked to relocate to keep his job with the provincial government but wanted to stay in Fort McMurray so found other employment instead.

as the Saskatchewan border. Typically, the company harvests trees before the lands are mined, and that means coordinating their respective activities closely with the mining companies.

One such mining company, Suncor Energy, is one of the largest employers in town. Many of its several thousand employees are U of A grads, such as **Anne Marie Toutant (Willot)**, ’87 BSc, who says she didn’t just come for a job in March 2004, but, rather, “I came to work for a company with an incredible corporate culture.” It’s a company, she explains, that works hard at enabling people to reach their potential. Last year, Suncor was named among Canada’s top 100 employers by *Maclean’s* magazine.

When, after repeated offers, she finally said yes to a job offer from Suncor president and CEO Richard George, Toutant and her husband, **Chris Toutant**, ’88 BA, ’90 BEd, knew what kind of community they were about to settle in. The two were no stranger to mining towns, with previous stays in Hinton, Alberta, and then Estevan, Saskatchewan, where Toutant worked for Luscar Ltd., one of Canada’s largest coal producers, and where she was general manager for three divisions.

They, too, quickly settled into their new surroundings and feel comfortable raising their two young children, 10 and 12, in Fort Mac, a place they say more than meets their expectations with its good schools, its cultural diversity and, perhaps, most important, the fact that it’s a family-oriented community where making friends is easy.

Ten years ago, when **Marcella Dankow**, ’94 BCom, first opened her business in Fort McMurray—Art Works Gallery and Framing Centre—she had friends, but what she needed was an educated clientele who understood that she wasn’t in the business of home décor, she was in the business of selling art and not, she says, something you buy to “match the carpet and the couch.”

She made a commitment to show local artists, selling watercolours by Carol Breen, soapstone carvings by Brian Clark, oil landscapes by Shirley Thomas, uniquely styled wood carvings by Robert McDonald and stunning acrylics by one of Canada’s foremost aboriginal artists, Alex Janvier.

The former corporate librarian and commercial pilot who had returned to school as a mature student to study business not only set out to provide a voice for the local artistic community—she was determined to create a market for them. One customer at a time, Dankow also set out to raise the level of artistic knowledge among her customers and dispel the myth that Fort McMurray is devoid of culture.

Her first years were tough; it wasn’t always easy paying the rent. Nevertheless, she persevered and sought to convince people that original art was unique and could be an expression of their own personalities. “A techno-town that hasn’t got art, hasn’t got heart,” says Dankow. Ten years later, that perseverance is paying off.

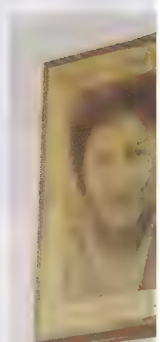
But, of course, it’s not all roses and bouquets in boomtown. The explosive

growth is putting a strain on the fabric of the city, says pharmacist David Hill. He bluntly points a finger at many of the oil sands workers who commute to and from Fort McMurray, leaving their families behind in places like Edmonton, Calgary or Red Deer. “They use the health care system,” he says, “they use the amenities, but they don’t bring children who might work part-time in the service sector or spouses who could share the volunteer load in community non-profit organizations.”

Ehrentraut says people have to understand why they’re sometimes getting poor service. “You have to realize that the person serving you is working eight tables when they should be working five.” Keeping employees is a struggle for virtually everyone throughout Alberta. Northland can pay as much as its counterparts can in other places, he says, but the cost of living is higher in Fort McMurray, particularly housing costs, which is often why workers are either reluctant to move their families there or just plain can’t afford to.

Rod Hyde sees the easy money to be made also creating another problem in that it makes it awfully attractive for young people living in Fort MacKay to forgo an education in favour of jumping into the lucrative labour market.

It’s a struggle to encourage graduates of the First Nations school—now well equipped with a computer lab, a gymnasium and a playground that would be



Hyde with a pic chief of the Fort McDonald in the

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Hyde with a picture of his late wife (and former chief of the Fort MacKay First Nation) Dorothy McDonald in the background.

the envy of any community in Alberta — to pursue post-secondary education. Why bother when they quit school and get hired on with the oil companies? Still, there are some encouraging signs. Nine students from the First Nations graduated from high school in 2006, and five of those have gone on to pursue post-secondary studies. Hyde's own daughter is taking courses at Keyano College and begins studying for a Native Studies degree at the U of A in January.

Hyde recently moved from Fort MacKay to Fort McMurray to better care for his ailing wife who passed away last year, leaving behind the legacy of a band office/community hall that bears her name and that was jammed with people there to pay their last respects.

He's retired now but still substitute teaches the odd day at the school that struggles with keeping teachers due to the high cost of living in the region.

That cost is the price one has to pay for living in a boomtown fueled by oil that's drawing workers from all over the country. But if education becomes one of the casualties of prosperity, when boom turns to bust there will be an even higher price to pay.

For her part, art gallery owner Dankow says, "School helped make this happen for me. Marketing classes really changed my mindset." And although she still struggles with the home décor mentality, she's on much more solid ground financially, with longer term contracts in place for supplying art to major corporate clients in town and a growing and more knowledgeable clientele, many of whom are U of A graduates.

Those graduates who have made a commitment to Fort Mac have also remained committed to their alma mater. Ehrentraut donates to the Faculty of Agriculture, Forestry and Home Economics. He hires U of A forestry grads — Northland's last planner was a U of A grad. Hill donates to the Faculty of Pharmacy and Pharmaceutical Sciences. "I really appreciated my experiences at the U of A," he says, "and it's important to support the education of the next generation."

Hyde, who was nominated for a provincial 2002 Excellence in Teaching Award, has for years had an open-door policy for U of A practicum students. Toutant teaches MBA students as a guest lecturer and sits on the Faculty of Engineering's Mining Industry Advisory Committee.

"A lot of those people who come North have a sense of excitement and adventure," concludes Dankow, trying to sum up the Fort McMurray experience. "When you come here, you pick up the pace. It's alive. It's exciting. You can play a part in guiding events or activities. You can do it the way you want to do it." ■

—Michael Robb, '89 BA

Marcella Dankow arrived in Fort McMurray 10 years ago and made a commitment not only to the town, but also to the local artists whose work she features in her gallery and says: "A technotown that hasn't got art, hasn't got heart."



The U of A in the oil sands capital of Canada:

Dr. Jacob Masliyah holds the Natural Sciences and Engineering Research Council (NSERC) Industrial Research Chair in Oil Sands Engineering. The Chair is supported by NSERC, Alberta Energy Research Institute, The Canada Foundation for Innovation, Albion Sands, Canadian Natural Resources Limited, Suncor Energy, Syncrude Canada, Baker Petrolite, Champion Technologies and Nalco Canada. Industrial sponsors apply Dr. Masliyah's findings and incorporate them in their operations. In return, the industrial sponsors advise and assist the Chair in focusing on current field issues.

Fort McMurray's Satellite Dialysis Unit located at the Northern Lights Hospital is served remotely, and with periodic visits, by a University of Alberta nephrologist, who works collaboratively with patients, nurses and dietitians. Fort McMurray area residents on dialysis receive accessible and comprehensive care from the community-based initiative.

Faye Hicks, a Professor in the Department of Civil and Environmental Engineering, and her colleagues are studying the causes of river ice jams and the potential influence of climate change on river ice processes. They are conducting field investigations monitoring river ice breakup on the Athabasca River at Fort McMurray.

Students in the Regional Municipality of Wood Buffalo have access to university-level educational opportunities without having to leave their community, thanks to a memorandum of understanding signed between the University of Alberta and Keyano College.

Over 400 full-time students from Fort McMurray study at the University of Alberta every year. Over 100 are enrolled in Science programs, about 50 in Engineering and about 75 in Arts programs. Almost 40 students are studying Nursing.

The Alberta School of Business is offering its MBA Program in Natural Resources and Energy in Fort McMurray. The Fort McMurray MBA Program, delivered at Keyano College by School of Business faculty, is cohort-based with one intake in September 2007.

Over 1,100 alumni call Fort McMurray home. Not surprisingly, 233 have engineering degrees and 112 have business degrees. Alumni also play a significant role in the public sector: for example, 137 nurses earned their degrees at the U of A and 300 teachers earned their teaching degrees in Edmonton.



After 12 years in the National Hockey League, **Cory Cross**, '93 BEd, has found the fun of the game again in Germany

Pittsburgh. Monday, April 4, 1994. Cory Cross remembers it well. He's standing on a frozen white surface under impossibly bright lights trying to maintain his composure as he looks straight ahead at the firing squad that's about to unleash a volley of shots that will surely end his professional life before it's even begun. It's his first shift in the National Hockey League.

There in front of the six-foot-five defenceman is one of the most lethal forward lines ever assembled — Mario Lemieux (408 goals over eight seasons) stands at centre. On his right is Jaromir Jagr (59 goals in his first two seasons) and to his left is Kevin Stevens, who is coming off a 54-goal and 69-assist season.

This trio of Pittsburgh Penguin forwards devastated the opposition the previous year on their way to hoisting the Stanley Cup (something they will repeat again in this season). Cross, meanwhile, is about to get his baptism by fire as the newest defenceman for the newest NHL franchise, the Tampa Bay Lightning. Stick on the ice, head up as he waits for the puck to drop, he's trying to look cool and composed, every inch the NHL player who's fulfilled a boyhood fantasy and is ready to take his place in the ranks of hockey's elite. But inside he's as nervous as the devil at an exorcism and only wants to get through this one shift without falling on his face, without making a mistake, without looking like the

imposter everyone in the stands must see he is.

"It was, to say the least, nerve-racking," Cross says from Germany where the latest chapter in his hockey career is being written as he begins his first year playing for the Hamburg Freezers of the Deutsche Eishockey Liga (DEL) after 12 years and 659 games in the NHL. "I was out there thinking, 'I'm just a kid from Lloydminster, Alberta. How the hell did I get here?'"

To answer that question we have to go back to 1977 when he took to the ice at the age of six. The baby of the family of four (two brothers and a sister), he was seven years younger than the next oldest sibling. As in many Canadian families, hockey was not

by Kim Green

rneyman

only a passion in the Cross household, but also a sort of rite of passage for the boys who all began playing at an early age. When Cory first stepped on the ice he was following in the footsteps of his brothers—the oldest, Dale, played Junior in the Western Hockey League (WHL) and a year in the East Coast League while his other brother, Glen, coached Cory at several minor league hockey levels. Behind it all were his parents.

“My parents were always the supportive hockey parents,” he says, “going on the bus trips, taking me to practice and most of all paying for everything.”

Cross played through the various youth leagues while watching the nearby Edmonton Oilers of the Wayne Gretzky/Mark Messier/Randy Gregg, '75 BSc, '79 MD, era win five Stanley Cups in seven years. And, sure, on local rinks or a frozen pond he could be Bobby Orr or Denis Potvin or Kevin Lowe, skating end to end to pop in the winning goal in the seventh game of the Stanley Cup final. But every kid with a pair of skates and a stick did that and he didn't seriously contemplate the possibility of one day suiting up in the NHL.

In fact, Cross almost gave up on hockey coming out of high school. A tall, gangly kid entering university, he never considered his complement of skills would take him as far as they did. “I finished midget hockey in Lloydminster and decided at that time to quit hockey,” says Cross. “There didn't seem to be a lot of interest—I had one token WHL tryout—and I said forget it.”

But hockey was not ready to forget him. The first steps towards turning him into the big league player he would become began at the U of A in 1989 when the teenaged education student

enrolled in a hockey course in the Faculty of Physical Education and Recreation being taught by renowned Golden Bear's Hockey coach Bill Moores, '71 BPE, '72 Dip(Ed). It was Moores who recognized Cross' latent potential and got the tall, skinny kid hooked up with Edmonton's Junior B

*“If it wasn't for the
excellent hockey program
at the U of A and Bill
Moores recruiting me from
hockey class, I would never
have had this life.”*

Royals where he played for a year while continuing his studies at the U of A. The next year he tried out for the Golden Bears. He made the team... and a new friend in Moores.

“Cory had a tremendous ability to see the ice and make great outlet passes, which is an important asset to have as a defenceman,” says Moores, now an assistant coach with the Edmonton Oilers. “Obviously his size was also key, but the big thing was he took responsibility for his personal development. He worked hard on his skating and challenged himself every day to improve his agility and speed. Cory's off-ice training was something he also worked very hard at, which was another key trait that helped him jump to the NHL.”

“The U of A will always have a big place in my heart,” says Cross. “Coach Moores, and assistant coaches Peter Esdale and Dan Peacock, '81 BPE, '87 MA, taught me a lot. And winning a national championship in '92 with the

Bears was a huge highlight. Maybe not as special as winning the world championship in Helsinki in 1997—that was probably the biggest thrill of my life, followed by the second gold medal. [Cross also played for Canada's National team at the 1998 world championship and was on the 2003 gold medal-winning team.]

“It was great to excel at the university level, but when you advance levels and win a championship it's even more thrilling. And, you know, if it wasn't for the excellent hockey program at the U of A and Bill Moores recruiting me from hockey class, I would never have had this life.”

Much of that life so far—he's 35 now—has involved hockey. While still patrolling the blueline for the Bears during their drive to the championship in 1992, Cross was picked in the supplemental draft by the Tampa Bay Lightning who began play that season.

“I heard during the '91-92 season that scouts were coming to watch me play,” says Cross. “But you hear that kind of thing all the time in minor hockey and I didn't think about a pro hockey career until I was drafted.”

Cross finished his season with the Golden Bears and arranged for his final exams to be deferred so he could report to the Atlanta Knights, Tampa Bay's farm team in the International Hockey League (IHL), where he played in seven games.

While playing for the Knights the following year he was called up to Tampa for his first game in the NHL—a two to one loss. He would play four more games for Tampa in the '93-94 campaign. The Tampa coaches liked what they saw in the young defenceman and told him he'd made the team in the '94-95 season. However, he still ended up playing half the season in

the minors because of the first major NHL labour dispute that saw the owners lock out the players for 103 days.

Following that lockout year, Cross played five seasons with the Lightning before being traded to Toronto in 1999 where he played three seasons with the Leafs. He signed with the New York Rangers as a free agent in 2002 and was traded to the Edmonton Oilers at the trade deadline of the '02-03 season. After finishing the year with the Oilers he re-signed with them in the off-season. "It was a huge thrill to play in Edmonton," he says. "Even though I was an Islanders fan growing up, it was still my hometown team."

After his first full season with the Oilers he had to go through the second lockout of his career. "The second lockout was something I was prepared for," he says. "The veteran players all knew the owners were going to lock us out no matter what we did."

The following year the players found the post-lockout NHL was a new breed of animal. A revamped economic system helped small-market teams such as Edmonton, and the new rules—which basically changed the nature of the game—helped the smaller, faster players. Big, bulky, stay-at-home defence-men were being pushed aside to make room for more mobile, offensive-minded blueliners. Cory Cross, known for his size and strength, could see the writing on the boards.

He could also hear the fans in Edmonton turning against him and still wonders why he became the whipping boy for the then-anemic Oilers. "The pressure from the fans was uncalled for in my eyes," Cross says. "I was from the city and I didn't say anything bad against the fans."

Being the nice guy that he is, he holds no acrimony over what happened in the past. That doesn't mean it still didn't hurt. But fans from the 'city of champions,' spoiled during the Oilers dynasty years, have high—often unrealistic—expectations for their sports teams. Cross' contribution to the Oilers and his play in 25 games for Canada in three world championships, where he



"Personally, I don't miss the NHL one bit. I'm very proud of my career in the NHL, but I was ready to do something different and playing in Europe has so far been an excellent adventure."

helped to bring home gold on two occasions, counted for nothing as the fans looked for someone to blame for the team's poor performance, and that someone often turned out to be Cross.

There were some who came to his defence at the time, such as the *Edmonton Journal's* Jim Matheson who asked, "why should a quiet, loyal team guy eat this much crap from the public? He hasn't insulted the fans or embarrassed the organization. He hasn't demanded a trade or pouted because he wasn't getting the money, ice time, money, respect and did I mention money, that motivates some players."

After Cross was traded to Pittsburgh in 2006, getting out of town just ahead of the lynch mob of frustrated fans, Matheson again rallied behind the local boy made good.

"When Cross got traded to Pittsburgh a few days ago, he had tears in his eyes," he wrote. "He talked about the booing. He unloaded some things

on the fans, stuff that had been building up for months. It was out of character for him, but sometimes nice guys have had enough. This was one guy who dreamed of playing for the Oilers and instead his stomach was in knots most nights. He didn't deserve the hostile reception night after night after night.

"This was a University of Alberta grad who battled incredible odds to even make it to the National Hockey League... Cross willed himself to play outside the box to be an NHLer. He wasn't born nasty. He had a big body, so he was told to get nasty, so he often did, against his personality... He liked his job, until he came here. This was supposed to be home. Where he went to school. Instead, it became a nightmare."

Edmonton-born Kelly Hrudehy, *Hockey Night in Canada* commentator and a 15-year veteran NHL goaltender, knows how hard it is just to make it into the league, let alone have a career there, and doesn't understand where the fans get off coming into a hockey player's workplace—the rink he's playing in—and booing his performance.

"I've always said that the mere thought of booing an athlete is very single-minded," says Hrudehy. "If people took the time to think about their actions, I doubt we would see much of it. We appropriately don't allow bullying in our schools. Why then is it okay to go to a sporting event and display behaviour that is no longer tolerated in our schools or our places of work?"

"Nothing is ever handed to an athlete. Cory worked his way to the top. He's a great example of a person that gives back to his community by supporting a number of charities. Cory always remained level-headed about his success and for those qualities he's booed. I don't get it."

For his part, Cross says that the biggest thing that affected him through those hard times in Edmonton "was just my confidence, and I think that came more from the coach than from the fans. I'd have a few good games, then I got hurt, and that set me back a little bit, and I guess I just had a tough time fitting in, in the coach's eyes. It's



Oliver Hardt © Hamburg Freezers

One thing a little different about the DEL league are the sponsors who get prominent positioning on the players' jerseys – note the Canadian flag below Cross' left shoulder.

tough to play when you don't play every day because you're on a fine line: if you make a mistake it's magnified and you won't play the next game. So you go out there thinking about not making mistakes.

"And something people will never understand who see hockey as just a game is how tough it is mentally and physically. You're constantly under a microscope, especially in Canada, and you're away a lot from your family making it very difficult on your personal life. Playing three or four games

every week is very taxing on the body—I've had too many injuries to list—and the pressure to always be your best in front of thousands of people in person and hundreds of thousands watching on TV takes a toll on you."

The uncalled for additional pressure Cross was facing from the fans in Edmonton made him grateful to get out of town. But it wasn't all bad. Something really good happened in Edmonton.

"I met my wife Shannon at the Save-on-Foods on Jasper and 109 street in September 2003," says Cross.

Shannon was on the Edmonton Police Force for eight years and put the velvet cuffs on Cross right there in the Save-on-Foods parking lot. "She actually made the first move," says Cross. "She said 'hi' and we started talking and went on our first date about a week later. We dated for a year and three months before getting married in December 2004."

Although grateful to get out of Edmonton, when he and the then-pregnant Shannon made the jump to Pittsburgh, he was not particularly happy on his new team who were (and are) undergoing a rebuilding phase. "I was actually excited about getting traded," he says. "I was looking for a new start. But Pittsburgh didn't go that well because they were looking for young guys to play and, as an older guy, there wasn't much room for me."

So Cross requested another trade and it was granted in 2006—this time he ended up in Detroit, thought at the time to have an excellent chance of winning the Stanley Cup that year. But in the first round of the playoffs the unlikely Oilers, who barely managed to squeak into post-season play, put the period at the end of that sentence. But being the nice guy he is, Cross says about his ex-Oiler teammates: "I was happy for the guys. I've got a lot of good friends on the team and I was cheering for them. It was a tough year for a lot of the guys."

And he knows from a tough year. During the Cross free-for-all in Edmonton he says he wasn't listening to the radio talk shows where his name would come up in association with some pretty vitriolic adjectives, but he heard about the criticism "through the grapevine" and while he was used to at least pretending to turn a deaf ear to dumb remarks, "my wife wasn't comfortable dealing with it."

Shannon gave birth in Pittsburgh to their daughter, Ayla, on March 7. Two days later Cross was traded to Detroit. Now we're talking tough. "Being traded is always difficult," he says. "And being traded two times in two months was a test, but both trades I wanted

and that made it easier because we were prepared for it.

"It was more difficult for my wife," says Cross. "She had a C-section and luckily her mom was there to help out. I had to go to Detroit after they got out of the hospital and then returned two days later to drive everyone to Detroit. It was a very hectic week and my wife had a tough time with the baby being colicky and knowing no one."

Cross spent most of his time in the press box or on the bench during Detroit's loss in six games to Edmonton in last year's first playoff round. And when the ice melted at the end of the season, he was told his contract would not be renewed.

Without a contract and pondering his future in the game, Cross starting looking overseas. Even if he had been offered an NHL contract, it would have been a two-way deal that could have seen him playing in the minors. So, bottom line, he says, "I'd done that waiting game. I wanted to go to Europe."

"We'd just started to settle down in our new home in Kelowna when I got the offer," says Cross. "I've always loved Europe and Shannon had never been outside of North America so she was a little scared but excited. I was concerned about how she would adapt but the other day she told me she was happy we came."

"Personally, I don't miss the NHL one bit. I'm very proud of my career in the NHL, but I was ready to do something different and playing in Europe has so far been an excellent adventure. There is always a time in a player's career when you have to realize it's time to move on, and it was my time. Besides, how many chances do you get to do something like this, have this life experience? I've done the same route for 12 years. Why not change things up?"

By far the thing Cross finds the best aspect of his new life is the time he gets to spend with his wife and child. "Family time for us is the best thing about being here," he says. "I'm home a lot due to the fact that we play a maximum of three games a week, but mostly twice, and these are on the weekends."



Golden Bears who made the NHL

Player	NHL Years
Dave MacKay, '40 BSc	1940-41
Cy Thomas	1947-48
Bryon Baltimore, '88 LLB	1979-80
Kevin Primeau, '77 BPE	1980-81
Dave Hindmarch	1980-84
Don Spring, '81 BCom	1980-84
Randy Gregg, '75 BSc, '79 MD	1981-92
Wade Campbell	1982-88
Dean Clark, '88 BSc	1983-84*
Colin Chisholm, '88 BPE	1986-87
Brent Severyn	1989-99
Ian Herbers, '92 BPE	1993-94, 1999-00
Cory Cross, '93 BEd	1993-06

*Played in the NHL before joining Bears for 1986-87 season

Of course, the pay is a little different, but when you take into account the free accommodations, free transportation and his tax-free status, Cross compares it to the NHL minimum of \$450,000 U.S. and compares the level of play to that of the American Hockey League. "The biggest difference is the crowds," he says. "Some rinks hold as

what level. But I've done my travelling and I'd like to stay closer to the family."

Whatever he does, count on him doing it with the same quiet dignity he brought to the ice every day over 12 seasons in the NHL. He knew his role and played it well, on some nights even exceptionally. Then the game changed around him and he moved on, without complaint and without rancour. It was time to start a new life and, as he says, "take everything as it comes."

He once said he would have been happy with just one game in the NHL, but he stuck around for a dozen years. He played through the best of times—"my first game, my first goal, scoring an overtime winning goal in the playoffs versus Ottawa and the 2002 playoffs when we made it to the semi-finals"—and he played through the worst of times—"I don't know why the people in Edmonton got on me as bad as they did"—and through it all he's remained the nice guy from Lloydminster who overcame incredible odds to stay in the game.

"I've been proving people wrong all my career," he says. "It started with making the U of A. Coming from nowhere to make a university team that was the best in Canada. From there to the minor leagues to the NHL. It's funny how things work out and how little things happen throughout your life that shape it. Really, I couldn't have asked for things to turn out any better than they have." ■

"Something people will never understand who see hockey as just a game is how tough it is mentally and physically."

few as 5,000 and the biggest hold 15 thousand. But the noise level is incredible. Every game is similar to an Oilers playoff game."

After his year-long contract is up, who knows what's next: maybe he'll sign on for another year, maybe not. Whatever happens, moving to Germany has put the fun back in hockey for him and he says, "I'm finishing my career up over here. I've started a couple of oil-field service companies in Alberta, so obviously that'll be where I'll be putting in a lot of my after-hockey-career time. Maybe after another year I'll start looking at what my options are. I'd like to coach, but I don't know at

REFLECTIONS



Reunion 2006, featuring the Alumni Awards Ceremony and Reception, is behind us now as we begin to gear up for next year and, of course, continue planning for Reunion 2008—a celebration of the University's 100th anniversary.

This year's reunion events were attended by over 4,000 alumni and the Winspear Centre was once again at full capacity for the Awards Ceremony where such distinguished alumni as **William Winspear**, '54 BCom (yes, that Winspear), political pioneer **E. Preston Manning**, '64 BCom, and environmentalist **James Westvick Thorsell**, '62 BSc, were just three of the 37 alumni singled out for their national and international achievements in their local and global communities.

Perhaps the funniest anecdote of the evening belonged to Preston Manning who told a story about accidentally stepping on someone's dog while doing some door-to-door campaigning. When the person answered the door to the plaintive cries of the dog in pain, Manning said he did the only thing that was right under the circumstances: "I said, 'Hello, my name is Joe Clark and I'm running for the Conservative Party.'"

Of course, former Prime Minister Joe Clark is another distinguished U of A alumnus who was himself a recipient of a 1994 distinguished alumni award. In fact, it never ceases to amaze me how many of our alumni have gone on to make their mark on the world stage and how many are worthy of being recognized on a yearly basis. This year alone we had over 150 nominations for this special award and, regretfully—due to the space and time restrictions of the event—had to limit our selection to only a portion of the many deserving nominees.

That's not to say that those nominated but not chosen in 2006 won't be walking across the stage in 2007. Again, no doubt, the decision as to who receives an award will be a difficult one as past nominees will join a host of new nominations (the form for which you can find in this issue of *New Trail*). All of you are a credit to your alma mater and all of you contribute to making the U of A one of the world's best universities.

Heike Juergens, '72 BA, '75 MEd, '87 PhD
Alumni Association President

trails

Following the Footsteps of University of Alberta Alumni

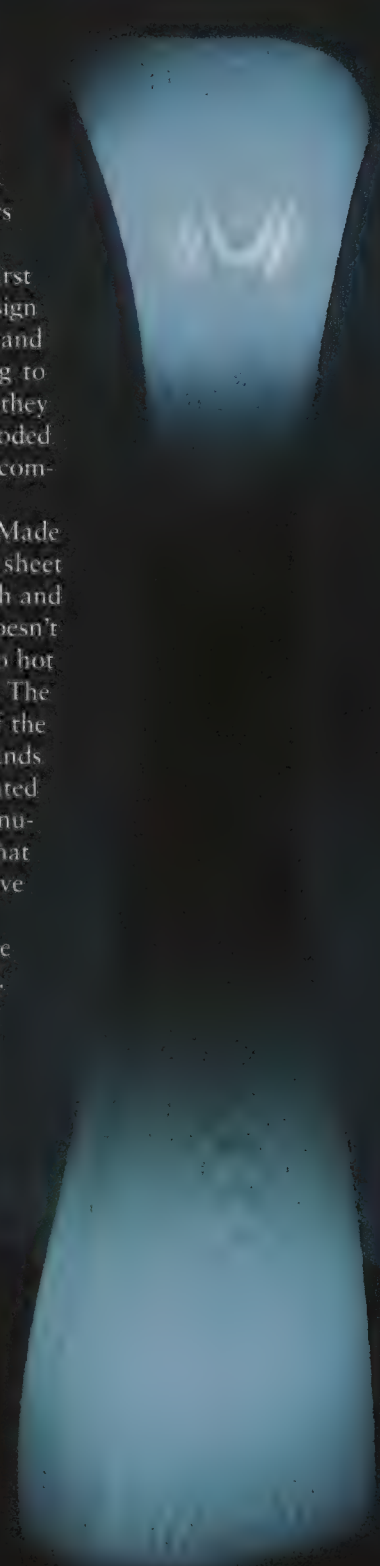
Hoodoo you love? ... "I was really pleased," says Cesar Shoko, '02 BFA, when told the lamp pictured here that he designed with partner Greg Ball, '93 BA, had won a 2006 Canadian Interiors 'Best of Canada' Award.

Working together since the duo first hooked up at the U of A's Industrial Design program, they both enjoyed fishing and camping which took them on an outing to Alberta's badlands area in 2004. There they were inspired by the tall, thin spires of eroded sandstone known as hoodoos that are common to the area.

Thus was born the Hoodoo Lamp. Made of coroplast, a corrugated plastic sheet material, the lamp stands 1.2 metres high and features a blue fluorescent light that doesn't consume too much electricity nor get too hot for the 5-centimetre enclosure it sits in. The layered look to the lamp is evocative of the sedimentary tiers endemic to the badlands area and Ball hopes the publicity generated from the award will help convince a manufacturer to take on the task of making what are so far hand-built creations that have been sold around the world.

"All of the products we design are inspired by the local landscape," says Ball. Hoodoo products so far include a coat rack with a bottle opener in development. "Nowadays, the province is really on the radar," he continues. "We're trying to get something Albertan into the global market."

More information about the lamp and other Hoodoo products is available at www.hoodooos.ca.



Hoodoo Lamp

Mixed Chorus of past



Come sing with us: Calling all Mixed Chorus Alumni

The University of Alberta Mixed Chorus Alumni Association (MCAA) is forming an Alumni Chorus made up of Mixed Chorus Alumni attending Reunion 2007 and of mixed chorus alumni from Edmonton and area. The MC Alumni Chorus will have two practice sessions during Reunion 2007 and will per-

form at some of the Reunion 2007 events.

"If the creation of an Alumni Chorus works during Reunion 2007, then the MCAA will form an Alumni Chorus for Homecoming 2008," says Jean Campbell, Secretary, MCAA. "We hope to have the chorus sing at events planned for the University's Centennial and celebrate the tradition of the Mixed Chorus and its rich history with the University of

Alberta. If you are a Mixed Chorus Alumni, you will remember what a large part of your University life the Mixed Chorus was. Join us once again to make memorable music!"

More details will be included in the spring issue of UpBeat and there will also be information in the Reunion 2007 brochure.

Ideas Please

To celebrate the University of Alberta's 100th anniversary in 2008, we're compiling a list of our favourite things to do or see on campus. Help us out! E-mail Chloe Chalmers at chloe.chalmers@ualberta.ca with your suggestions and you'll be entered to win an Alumni Association gift pack. One hundred of the top items will be included on a special commemorative poster.

Calgary Branch Endowment

In 2006, the U of A Calgary Alumni Branch Endowment Fund began providing an annual bursary to a student entering second year university. The goal is to have the \$1,000 student award completely funded by a \$12,500 endowment that the group is holding various alumni-sponsored and organized fundraising events to raise money for. Currently a portion of the funds raised go into supporting the bursary while the rest is used to build the endowment to the point where the bursary will be self-sustaining.

Watch for updates and more information about upcoming fundraising events. Individual donations to the Calgary Alumni Branch Endowment Fund may be directed to the University of Alberta Alumni Association.

Homecoming 2008

University of Alberta alumni who served on the Students' Union; stayed in Lister Hall; belonged to a fraternity or sorority; or played on a Bear's or Pandas athletic team, we want to hear from you.

The University of Alberta is gearing up to celebrate its centenary in 2008 and the Office of Alumni Affairs is interested in assisting you organize your reunion activities. If you would like to volunteer or becoming an organizer for one of the groups mentioned above, contact John Perrino in the Alumni Affairs office at 492-6566 or Email john.perrino@ualberta.ca for more information.

Alumni Events

For more information about alumni events, contact the Office of Alumni Affairs by phone at 780-492-3224 or (toll-free in North America) 1-800-661-2593 or by e-mail at alumni@ualberta.ca. You can also check the alumni events website at www.ualberta.ca/alumni/events.

December 5, 2006 Chicago

All-Canadian Alumni Event hosted by McGill Alumni Association
6:00 p.m., Chicago Athletic Association, 12 South Michigan Avenue
Contact: sophia.johnson@mcgill.ca

December 5, 2006 Boston

All-Canadian Wine Tasting hosted by McGill Alumni Association
8:00 p.m., Les Zygomates, 129 South Street, Boston
Contact: boston.alumni@mcgill.ca

December 7, 2006 Lethbridge, AB

Fifth Annual Unique Experiences Alumni Event
Guest speaker: Vincent Hanlon, '82 MD, on "Why Go Anywhere?"
The Garden Court, Lethbridge Community College
To RSVP or for more information please contact Laurence Hoyer, '55 BSc, '56 MSc, hoye@uleth.ca

December 16, 2006 Hong Kong

Annual Christmas BBQ for Alumni and Families
Contact: Office of Alumni Affairs

December 19, 2006 Holiday Shindig

LUX Steakhouse + Bar, Edmonton
3:00–9:00 p.m.
RSVP to Chloe Chalmers, chloe.chalmers@ualberta.ca by December 16

January 17, 2007

Debt-management Seminar
Glacier Room, Lister Centre
7:00–9:00 p.m.
Cost: free. Pre-registration is required. Call Chloe Chalmers at 492-7726 or e-mail chloe.chalmers@ualberta.ca

February 1, 2007 New York, New York

Annual Alumni Skating and Pasta Party in Central Park
Guest speaker: Dean of Arts Daniel Woolf
contact: Reg Moncrieff, '70 BA, canadareg@aol.com

February 14, 2007

Valentine's Day performance and reception
Timms Centre, U of A campus
7:15 p.m.
Cost: \$10/ticket. For more information and tickets, call Chloe Chalmers at 492-7726 or e-mail chloe.chalmers@ualberta.ca

March 3, 2007 Phoenix, Arizona

Annual Alumni Brunch
Paradise Valley Country Club
Contact: Norm Nichol, '58 DDS, '71 Dip(Ed), '73 BEd, at 480-396-4491

March 14, 2007

Investment Seminar
Glacier Room, Lister Centre
7:00–9:00 p.m.
Cost: \$20. Pre-registration is required. Call Chloe Chalmers at 492-7726 or e-mail chloe.chalmers@ualberta.ca

March 18, 2007 (TBC) Hong Kong

Pianist Concert (U of A professor Patricia Tao performing) and Reception
Sha Tin Town Hall
Contact: Office of Alumni Affairs

March 21, 2007

Tax Help for Rookies
Glacier Room, Lister Centre
7:00–9:00 p.m.
Cost: free. Pre-registration is required. Please call Chloe at 492-7726 or e-mail chloe.chalmers@ualberta.ca to register.

March 2007 Lethbridge, AB

Annual Alumni Branch AGM and Alumni Gathering
Contact: Office of Alumni Affairs

April 2007 Bonnyville, AB

Alumni Event and Tour of New Sports Facility
Contact: Larry Godziuk, '92 BEd, or Jennifer Godziuk, '94 BEd, lgodziuk@mcsnet.ab.ca

April 21, 2007 Victoria, B.C.

Annual Alumni Brunch
Contact: Marilyn Shortt, '71 MEd, tkshortt@telus.net

April 22, 2007 Vancouver, B.C.

Annual Alumni Brunch
Contact: Office of Alumni Affairs

May 17, 2007 Toronto, ON

Alumni Reception & AGM
Guest speaker: U of A Engineering Dean David Lynch
Contact: Office of Alumni Affairs

June 6 or 7, 2007 (TBC) Calgary, AB

Spruce Meadows Horse Show and Dinner
Contact: Glen Johnston, '62 BSc, glenjohn@shaw.ca

Note to all alumni: We cannot send event invitations without current addresses. If you know of any alumni who do not receive U of A event notices, please encourage them to update their address with the Office of Alumni Affairs. The Office can be reached toll-free in North America at 1-800-661-2593 (direct line 780-492-3224). For address updates e-mail alumrec@ualberta.ca. For all other Alumni Association matters e-mail alumni@ualberta.ca.

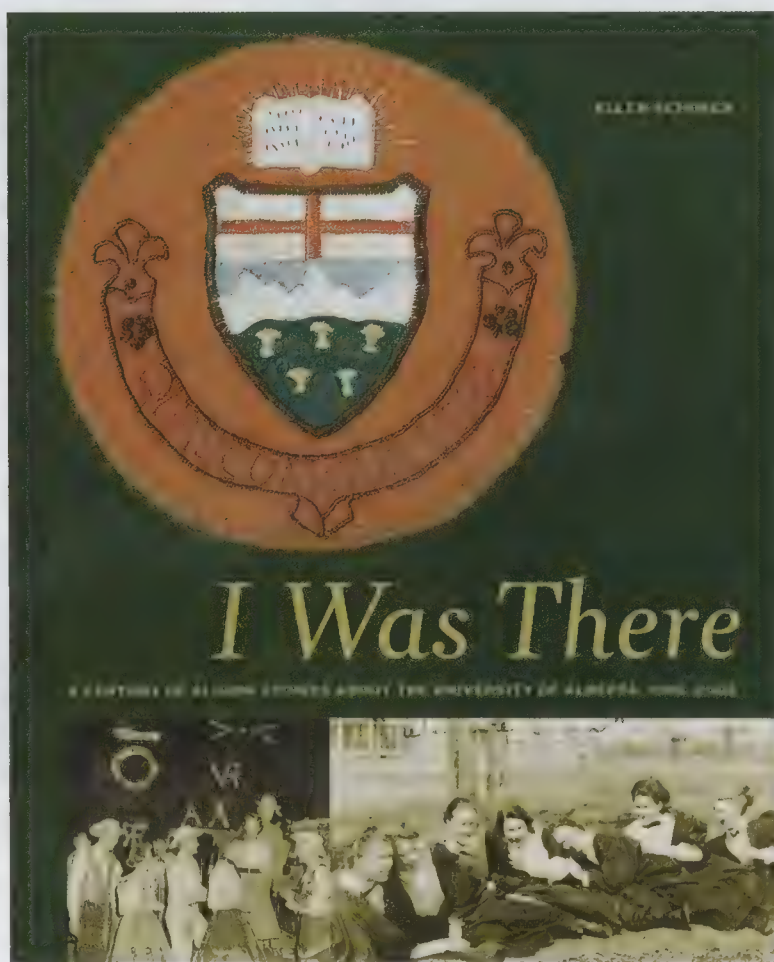
New from UofA Press!

I Was There

*A Century of Alumni Stories About
the University of Alberta, 1906–2006*

by Ellen Schoeck

I Was There is for anyone who loves the University of Alberta. It is a simple book of stories from alumni—from every Faculty. They will tell you why they decided to come to university, what daily life was like for them, and where their degrees took them after graduation. You will also hear stories told by a handful of professors who were at the U of A in the early days. These first professors were pioneers in education who came from revered and established universities to take a chance on a university that only had a name—the University of Alberta. They came west to a university that had no students, staff or buildings. All that existed was a piece of paper—an act of the Legislature, passed on May 9, 1906, called the *University Act*. But it was people—students, faculty and staff—who brought that piece of legislation to life. *I Was There* is a documentary account of their stories—stories that pluck the University's history down from the bookshelf, and make it live all over again.



- ♦ available at the UofA Bookstore
- ♦ telephone and web orders welcome

www.bookstore.ualberta.ca

tel: 780.492.4215 or 888.933.9133

fax: 780.492.1726

166 Students' Union Building, 8900 - 114 Street, University of Alberta, Edmonton, AB T6G 2J7

bookmarks

We Flew, We Fell, We Lived: Second World War Stories from RCAF Prisoners of War and Evaders

Philip Lagrandeur, '82 BA, '84 BEd



Forty Canadian officers and men from Bomber Command offer their personal accounts of the German treatment of allied air force personnel and the organization of PoW camps. The notorious Great Escape is covered in detail, based on the testimony of several of the Canadians involved. The book contains 200 photographs, maps, and artwork. (Vanwell Publishing)

Carving Faces, Carving Lives: People of the Boreal Forest



Terry Garvin, '79 BA

An intimate look at the lives of the Aboriginal people who have preserved traditional lifestyles in the northwest boreal forest, *Carving Faces, Carving Lives* has been a work in progress since 1993. Through 240 pages of text and 345 full-colour photographs, Garvin's book paints a fascinating portrait of hunters and trappers and attempts to preserve their knowledge as an inheritance for future generations. (Heritage Community Foundation, www.heritagecommunityfdn.org)



A Minor Planet for You and Other Stories

Leslie Greentree, '88 BA

A Minor Planet for You explores the often hilarious, sometimes dark but consistently fragile fixations of human relationships. Leslie Greentree's short fiction creates the satisfying sense of discovering someone's long-kept secret, or the guilty pleasure of overhearing a scathing conversation. (University of Alberta Press, www.uap.ualberta.ca)

This Wild Spirit: Women in the Rocky Mountains of Canada

Edited by Colleen Skidmore, '99 PhD



Skidmore, associate professor in Art and Design and adjunct professor in History and Classics at the U of A, explores in this book women's creative responses to their experiences in the Rocky Mountains between the late 19th and early 20th centuries. (University of Alberta Press, www.uap.ualberta.ca)



A Doctor's Calling: A Matter of Conscience

Hazel J. Magnussen

(Schattschneider), '64

Dip(Nu), '72 BSc(Nu)

This book chronicles the life and career of country doctor

Douglas George Snider, '63 BEd, '68 MD, and his efforts to resolve an issue affecting health care in the Peace River region in Alberta. Magnussen, Snider's younger sister, also writes that this book is "the first full public account of the events leading up to Snider's murder and the criminal justice system's response." (Wembley Publishing, www.wembleypublishing.com)

The Fungal Pharmacy: Medicinal Mushrooms of Western Canada



Robert Dale Rogers, '71 BSc

From folklore to modern scientific analysis, *The Fungal Pharmacy* presents inspiration and hope for using mushrooms to increase the health and well-being of humans. The book includes information on using fungi for essential oils and homeopathy as well as in powder or tincture form. (Prairie Deva Press; available at Greenwood's bookstore or from the author at 780-433-7882.)

Butterflies of British Columbia



John Acorn, '80 BSc, '88

MSc; illustrated by Ian

Sheldon, '99 MSc

Popular television naturalist and entomologist John Acorn has once again teamed up with acclaimed nature illustrator Ian Sheldon to produce a beautiful full-colour tribute to the over 200 species of butterfly found in British Columbia. Colour-coded header bars make the book easy to use in the field. (Lone Pine Publishing, www.lonepinepublishing.com)

A Glass Darkly

Gail Sidonie Sobat, '83 BEd, '91 MA



In *A Glass Darkly*, the final installment in Sidonie Sobat's Ingamald fantasy trilogy, Ingamald and her young charge, Yda, step through the mirror and search the land of Gyldden for a solution to the problem of their own frozen land. Ingamald must use her wiles and magic as she peers through a glass darkly into the mysteries of this troubled otherworld. (Great Plains Publications, www.greatplains.mb.ca)



I Was There: A Century of Alumni Stories about the University of Alberta, 1906-2006

Ellen Schoeck, '72 BA, '77 MA;

Foreword by **Jim Edwards, '62 BA, '06 LLB (Honorary)**

Through first-hand accounts gleaned from hundreds of alumni, *I Was There* paints a vivid picture of the first 100 years of the University of Alberta. Stories of first-year anxiety, frosh rituals, and campus hangouts provide a balance to the more formal history of the University's founding and administration. Schoeck conducted interviews and combed through the archives to present, as she says, "a century's worth of teachers, actors, scientists, journalists, politicians, diplomats, researchers, public servants, engineers, artists and playwrights. You'll even meet a ghost or two."

The lives and the influence of the founders of the University—first president **Henry Marshall Tory, '28 LLD (Honorary)**, and Alberta premier A.C. Rutherford, among others—also appear among the personal stories and period photographs that present a unique insight into University lore from the vantage point of those who were most intimately involved in making the University what it is today.

An index to the people listed in the book provides one way to enter into the riches of detail, or readers can follow the advice on the dust jacket flap and simply open the book to the page of their choice to discover a people's history of the U of A.

Henry Marshall Tory wrote, "This country fascinates me... everything is new; the people young, and the conviction grows that great things are bound to happen in this rich new country." Undoubtedly he included the creation of the University of Alberta among these "great things." His drive for excellence and his sense of exhilaration clearly transferred to the generations of students who come to life in *I Was There*. (University of Alberta Press, www.uap.ualberta.ca, or order a copy through the University of Alberta Bookstore, www.bookstore.ualberta.ca)

Cinema Scope

Anne Wheeler is still trying to tell the stories that connect Canadians to who they are and where they've come from

Filmmaker Anne Wheeler, '67 BSc, '90 DLitt (Honorary), was recently in Johannesburg where she directed the pilot for a new television series called *Jozi-H*. The drama, set in the emergency ward of a large urban hospital trying to cope with a failing public health system and a crime-plagued populace, aired in October on CBC.

Back in Canada relaxing at her "cool little farm house with a huge garden and a view of the sea" in White Rock, B.C., just south of Vancouver, she says that although she now makes her home in British Columbia, her heart will always belong to Alberta.

"I will always be an Albertan," Wheeler says. "Growing up in Alberta is who I am. Many of my stories still come from the prairies, which to me bring back memories of tremendous freedom, loving support, and extraordinary personal journeys. I grew up in Edmonton, but spent a lot of time in the country where I had a horse I could ride without a saddle or a bridle. We often camped out and slept under the starry night sky."

Having scouted the four corners of the province looking for locations to shoot the dozens of movies she's made in Alberta—including the feature films *Loyalties*, *Cowboys Don't Cry*



and *Bye Bye Blues*—it's hard for her to name just one favourite spot. But she does sort through a few of the province's sites that are special places for her: "The valley above Dorothy," she says, "the shores of Lac La Biche, Andy Russell's perch in the mountains looking towards Waterton [conservationist, writer, cinematographer and

broadcaster, Russell died in 2005 at the age of 89], Maligne Lake, the Handhills Rodeo, the concert hall in Edmonton, and Edgerton—where my folks both were raised, and I think of as the family nest."

It's not surprising with this kind of loyalty and attachment to place that Wheeler would name as her biggest influences "my family, my subjects, my country and my times."

"I didn't get into film to be rich and famous," she continues. "Film is and always has been a tool and an art which has the power to make a difference while also informing and entertaining the viewer. I came out of documentary film—most of my early work was done for the National Film Board and many of my films are born of true stories."

That attitude is partially reflective, as she's already pointed out, of the "times" in which she came of age in the nascent Canadian film industry. To understand those times we have to go back to 1971 when Wheeler and eight others banded together to tell stories about Western Canada. With no formal training and no film school in the region, the nonet agreed that they'd give themselves a hands-on education and learn together



by rotating through the various roles required to make a movie. The early '70s were still, in an attitudinal and fiscal sense, really the '60s and money in the form of grants for this type of undertaking—especially when you were working on a shoestring budget—was relatively easy to come by in a country caught in the throes of Trudeaumania and fresh off of showcasing itself at Expo '67.

Within a year the group was winning accolades and awards at film festivals and after five years of working with the collective—which turned out around 20 films—Wheeler set off on her own where she continued to make documentaries, primarily for the NFB, including the award-winning *A War Story*, which told the real-life story of her father (Ben Wheeler) who was a medical officer in World War II taken prisoner by the Japanese in Singapore and who ended up spending several years in a Japanese POW camp.

A War Story, released in 1981 and featuring the voice of Donald Sutherland (as well as that of Wheeler herself), actually received some funding from the U of A alumni association, an amount that she recalls as being around \$5,000 and that came in very handy at the time.

"The problem," she says, "was that I couldn't use any 'government' money—i.e., NFB or CBC—to shoot in Taiwan because Canada did not have a diplomatic relationship with that country at the time. So I had to raise 'other' money for that shoot. The



Wheeler at work in the editing suite and a scene from *The War Between Us*, a film about Japanese internment in B.C. during World War II.

alumni money allowed me to go back to Taiwan and find the camp [where my father was imprisoned] and film there. It's a major part of the film, so it was absolutely instrumental."

It wasn't long after *A War Story* that Wheeler and the NFB parted company following the Board's decision to cut all directors on staff, meaning she would have to take on a producing role only. The NFB was once the proving ground for a host of budding Canadian filmmakers and animators whose work won over 60 Academy Awards, the first for *Churchill's Island* in 1941 and the latest in 2004 for *Ryan*. The latter film represented a long drought between Oscar winner *Bob's Birthday* in 1995 and the announcement in 1996 of the NFB's new "action plan which re-shapes a venerable studio-style film organization to fit the new economic dictates so it can better function in the digital, networked audiovisual industry of the 21st century."

Which is partly where Wheeler comes in again... that "new economic dictates" thing.

"It's impossible," she says, "for Canadian films to compete with the large budget, well-marketed movies from the south. But Canadians don't go to Canadian films for a variety of reasons. Often it's in the way they are distributed. Too many weak Canadian films have been released, and have helped to drive potential audiences away. We, as filmmakers, are also encouraged to cast Americans in our films, and to do whatever possible to get an 'American sale,' and in the process we are ceasing to make Canadian films.

"The world is getting smaller," she continues. "But the thing I keep hold-

ing on to is the story. Film is very competitive, and people go to the theatres to see the big movies, the expensive movies—movies I will never make. I still believe that in this world where Hollywood dominates worldwide (this is not a Canadian dilemma, it's a global dilemma) that we need to tell our own stories, and that people will still want to hear a good story that connects them and speaks to the ever-changing human condition."

Connecting people to their own stories is something that continues to compel her in her own work. It also led to her receiving the Order of Canada in 1995 as well as six honorary doctorate degrees, including one from the University of Alberta. That they all came in the '90s she attributes to the fact that "I did a lot of work back to back then, and they were all stories that were heartfelt and real. It was a golden age in Alberta, in Canada. We believed in regionalism and the importance of culture. I was in the right place at the right time, doing something that people celebrated at the time. Since then film has become more of a business—and the cultural implications have lost a lot of their importance. It's all about money."

Money aside, Wheeler says she still has a "stack of stories I'd like to tell. It's important to tell the stories of remarkable women and men. I am usually drawn to lives that are not known—lives that have been lived dealing with extraordinary circumstances, but have gone unnoticed. In the end it's the painting on the wall of the cave which will tell those of the future who we were and how we lived." ■

—Kim Green



Alumni Services

How did you get my number?

Your privacy and the Alumni Association

Who has access to my information?

Only individuals working on behalf of the University,  who have signed a non-disclosure agreement, and who have a specific need to see it, have access to your personal information.

Does the Alumni Association sell its list?

No, it does not. Even with our affinity service partnerships, no information is released directly to our partners. The University is at all times responsible for safeguarding your information.

What kinds of contact can I expect?

The Alumni Association and the University regularly contact alumni by mail, phone  and e-mail on matters we think would be of interest to our members. For example, *New Trail* is mailed out to all alumni, free of charge, for life. Our electronic newsletter, e-trail is e-mailed monthly. Invitations to reunions and events are also sent regularly.

 Other contacts could include mail, phone calls, or e-mail to select alumni about our travel, insurance and credit card programs. The University's Student Calling Program has current students contacting alumni about news, events and fund-raising opportunities. Our office might also contact you if a former classmate would like to reconnect — again, your information is not released without your permission.

I prefer not to be phoned. I only want to receive certain kinds of mail. What do I do?

Just contact us and let us know. It is our responsibility to ensure that your information is accurate and treated according to your wishes.

Why are you calling me about insurance or credit cards anyway?

Without alumni participation in our Affinity Services, your Alumni Association would not be able to provide its remaining programs for alumni and students. These include scholarships and awards, free online community services, alumni education programs, events from rural Alberta to cities overseas, and our annual Reunion Days. 

An all-volunteer Alumni Council, made up of alumni from every faculty, carefully reviews these services and also decides how the revenue is spent. But it is your participation that makes all the difference.

For more information on our affinity partners, please contact us at 1-800-661-2593, or go online to www.ualberta.ca/alumni.



To read a full privacy statement, please go to www.ualberta.ca/alumni/privacy.html

To make changes to your record, please contact the records department at 1-866-492-7516.

For more information, we can also be reached by phone at 1-800-661-2593 or (780) 492-3224, by fax at (780) 492-1568, via e-mail at alumni@ualberta.ca, or visit www.ualberta.ca/alumni

The Ant Wrangler



Cameron Currie and his ants.

While humans have been cultivating mushrooms for 300 years, fungus-growing ants have been perfecting the practice for 50 million years. This ancient ant-fungus partnership is a textbook example of symbiosis: two or more species dependent on one another for survival. The ants nourish the fungus by dragging organic matter underground where the fungus flourishes which, in turn, serves as food for the ants.

As with their human counterparts, weed control in the ant garden is at the top of the agenda. One weed in particular, a parasitic fungus called *Escovopsis*, reduces crop yields and, if left unchecked, can overgrow the ants' carefully groomed garden.

In 1999, Cameron Currie, '92 BSc, '94 MSc, while still a PhD student at the University of Toronto, says he "noticed the worker ants tending the garden were covered with a fuzzy substance. They looked like sheep. We thought it was a bacterial infection the ants tolerated and joked about it possibly having antibiotic potency—but it seemed so far-fetched."

But far-fetched it wasn't as Currie discovered that the subterranean farmers had enlisted a powerful ally in their battle against *Escovopsis*: an antibiotic-producing bacterium that each ant harbours in specialized crevices over its entire body: "herbicidal overalls" with the pockets fairly bursting with what's good for the garden. Currie published his discovery of this

extraordinary symbiosis in the journal *Nature* that same year.

Currie, whose research spans evolutionary biology, microbiology, molecular biology, and animal behaviour, is a new breed of scientist, eschewing specialization in pursuit of a better understanding of the natural world. Using this non-traditional approach, he says, "you see things other people miss." With two articles in *Science* in the last four years, the cross-disciplinary approach is bearing fruit for the Edmonton-born-and-raised Currie, who still plays hockey in his adopted home of Madison, Wisconsin, where he's an assistant professor in the Department of Bacteriology at the University of Wisconsin.

The enterprising Currie colonizes his ant nests—wired for video—with tropical species flown in from Central America. With prestigious awards, including a 2001 NSERC Doctoral Prize, front-page articles in the science section of the *New York Times* and a mention in *Maclean's* magazine, the young Edmontonian and his ants have become the centre of a blizzard of media interest.

The ants have even had their own 15 minutes of fame, appearing briefly in a music video. (They had to be coaxed into the limelight with portable heaters during the mid-winter Toronto shoot.) "People on the set thought I was the ant wrangler," Currie laughs.

"They asked me if I trained the ants." He's also installed a leaf-cutting ant display at the Toronto Zoo with an outpost colony in a downtown Toronto Chapters bookstore.

Living in symbiosis with other organisms is the history of humans as well, "and we know very little about it," Currie says. As time goes on, symbionts co-evolve and become more intricately intertwined in one another's survival. With Currie's ants, the bacteria-harboring body crevices have become highly specialized over the ant's evolutionary history. Currie was first to report that the body pits are hooked up to unique glands, which maintain a favourable environment for the parasite-busting bacteria.

But the most enigmatic ant garden mystery has yet to be solved: how have the ants avoided the inevitable outcome of antibiotic use—resistance? With antibiotics on the market today having an effective lifespan measured in decades, how has the bacterium remained lethal to *Escovopsis* for 50 million years? And having done so, could this powerful antibiotic also be a boon to the eight million humans who suffer from some form of fungus infection worldwide?

"We're working on that," Currie says. "Like us, ants are social. They're agriculturists. They use microbes. We can learn a lot from them." ■

—Ann Butler

Yes, Master

A U of A computer sciences grad is IBM's latest wizard of invention

It's a long way from New Delhi to Edmonton, but Internet access is an amazing connective tool. Its ability to shrink geography proved instrumental in bringing IBM's newest Master Inventor, **Rohit Kapoor**, '01 MSc, to the University of Alberta as a student in the mid-'90s.

Now living in Toronto—well, actually, Brooklin, Ontario, “a small town just outside of Toronto and a very nice place to live,” says Kapoor—the U of A grad recently joined the ranks of 28 other Master Inventors (out of over 2,500 employees) at the Toronto IBM lab where he has worked since graduating. During only five years on the job he has helped develop 14 patents for IBM, including one that could turn cell phone text messaging into a way to purchase products over your phone.

“The uses of the SMS [Short Message Service, colloquially known as text messaging] technology should be fairly diversified,” says Kapoor. “Any product that can be sold over the Internet could be sold using this WebSphere technology. Beyond e-commerce, I think any business requirement that could be fulfilled by someone communicating with a central server using a specific short message could benefit from this technology as one could send commands to the server to perform specific tasks via a short message and receive periodic status on those tasks as they are executed.”

Kapoor was recruited by IBM directly from the U of A campus. But what prompted him to come to Edmonton from the other side of the world? And how was the Internet instrumental in bringing him to the University of Alberta where he was the top graduate student

in the Department of Computing Science with a perfect grade point average of 9.0?

“The U of A,” he says, “offers one of the best programs for computing science in Canada and elsewhere. I first heard about U of A from the *Maclean's* Guide to Canadian Universities and the Canadian Education Council office in New Delhi. Then I applied to the U of A where I was offered a position, as I also was at various American universities. But after doing some more research, that included chatting with some very friendly Edmontonians on the Internet, I made the decision to move to Alberta.

“It was one of the best times of my life,” continues Kapoor. “Both the U of A and Edmonton are really wonderful places. The Department of Computing Science is very well equipped and the professors I interacted with were some of the smartest and most practical people I've ever come across. I feel lucky to have been a part of the U of A experience.”

First hired by IBM as a software engineer, he next put the word “staff” ahead of that title before moving up and replacing “staff” with “advisory”—while also getting his new “Master Inventor” designation, a title that he says sometimes draws a few laughs, but all in good fun.

“Being a Master Inventor is a significant responsibility,” says Kapoor. “Candidates are identified based on their having reached a certain level of invention and it recognizes your ability to be innovative at the core design level. It also means you become part of the IBM global community where you use your knowledge and experience as an inventor and technical expert to help less experienced inventors looking for a broader use for IBM's intellectual property assets.”



Rohit is standing in front of an IBM server at the Toronto software lab.

So now that he's a Master Inventor you have to assume that the day-to-day grind is behind him as the ‘master’ sits on his throne thinking the big thoughts while leaving the little people to push the pencils.

“Ha,” he laughs, “I wish. The actual inventions are a by-product of trying to develop leading edge software. In my day-to-day role I work as a team leader in developing WebSphere software.”

At home the father of three boys (a five-year-old born in Edmonton and three-year-old twins born in Toronto) is involved in development and research of another kind.

“Since our children are so young, most of my and my wife's time is spent on the kids,” he says. “It doesn't leave much time for hobbies, but we do enjoy gardening in our backyard, and lately I've been trying out different foods and recipes. Most recently I've been researching a variety of barbeque types,

especially client recipes.

Now then that could have been a recipe for success. And with clay bar may even come that will stand head because since we discuss a different invention field of energy benefit. So a future invention probably comes.

As for the “the discovery probably on scientific achievement. It laid the foundation for computers, and today, including saving medicine.



Terms of Indira

President Indira Samarasekera once self-deprecatingly remarked that her daughter answered the question, "Where does your mother work?" with the reply, "My mother—she doesn't work, she just talks."

Of course, talking is its own work and in this issue and issues to follow we will be highlighting excerpts from some of the speaking engagements where Samarasekera has worked her talk.

*Extraordinary Minds Keynote
Address: 2006 Gairdner Awards
—Toronto, October 2006*

"We are a nation that is still pushing and exploring its geographic frontiers. We need to adopt the same enthusiasm for the risk and courage it takes to explore and expand intellectual frontiers.

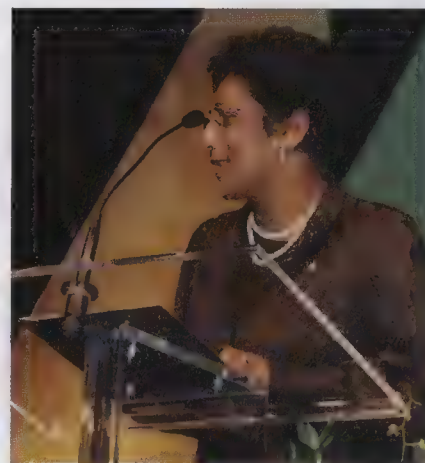
"Mentoring of extraordinary minds is essential. Michael Smith was mentored by Ghobind Khorana and Fred Sanger, both Nobel Laureates. Six of Enrico Fermi's students won the Prize. And J.J. Thompson and Ernest Rutherford between them trained seventeen Nobel Laureates. Yet, the work—and the breakthroughs—such individuals are capable of must take place in the context of a community. Society and the scientific community does not readily value new ways and new ideas. People who pursue their own ideas have to work harder for every achievement because society tends to favour familiar and comfortable approaches to problems. Given these attributes—and obstacles—for the realization of extraordinariness, let me return to my earlier question: how can we maximize our ability to identify and nurture the extraordinary minds that we need now—more than ever—to address the world's problems?"

*2006 Scotiabank AUCC Awards for Excellence in Internationalization—
Ottawa, October 2006*

"Through a combination of other global educational activities, including internships, symposia and applied research, students at the University of Alberta are being prepared to be active global citizens in an increasingly globalized, complex, interdependent world."

*Globally Engaged Science and Engineering Workforce (Keynote Address:
National Science Foundation) —Arlington, Virginia, September 2006*

"Universities, not only in the U.S. and Canada, but around the world, are awakening to the fact that we need to educate our scientists and engineers—as well as our doctors, lawyers, educators—all our graduates—to be citizens of the world. It's a rude awakening because it's what we always thought we were doing. But what we are facing as we advance into the 21st century is a new world, a new economy, a new definition of international and of global that is forcing us to redefine what is required to be an engaged, successfully contributing citizen of the world."



especially clay barbeques and the different recipes that can be used on them."

Now there's some applied research that could have some real practical applications. And maybe while he's tinkering with clay barbequing techniques Kapoor may even come up with an invention that will stand the 21st century on its head because, as he says, "I think ever since we discovered fire the most important inventions for humankind are in the field of energy transformation for our benefit. So some of the most important future inventions and discoveries will probably come in this area."

As for the century just past, he says, "the discovery of quantum mechanics is probably one of the most significant scientific achievements of the 20th century. It laid the foundation for modern computers, and most of the devices we use today, including many important life-saving medical devices." ■

—Kim Green

*there's nothing quite
like being there...*



ALUMNI EDUCATION PROGRAMS

Learning on Location

The University of Alberta Alumni Association Travel Program provides a unique opportunity for graduates to experience other parts of the world in the company of fellow alumni. Join us for the learning, fraternity and fun for which our trips are famous.

Berlin, Dresden & Prague Discovery May 5–15, 2007

Discover the allure of three of Europe's most enchanting cities on this special program designed to maximize your flexibility and value while maintaining the contributions of expert tour directors.

*Price: from \$2,645 per person**

Alumni College in Sardinia & Corsica May 25–June 5, 2007

Experience the similarities and differences of two idyllic islands, each bursting with stunning beauty, that rise just seven miles apart in the deep, blue waters of the Mediterranean Sea. *Price: from \$3,345 per person**

Treasures of Japan June 10–20, 2007

Explore the fascinating contradictions of Japan, where the eternal quest for tranquility is juxtaposed with a fast-paced, high-tech lifestyle. Bashful Geisha girls and peaceful koi ponds coexist with high-speed bullet trains and neon machines that vend nearly anything imaginable. *Price: from \$4,195 per person**

Journey of the Czars June 24–July 7, 2007

Experience the diversity of 'Mother Russia' and discover her renewed celebration of her past and potential for the future as you cruise the fabled Volga River through legendary waterways from enduring Moscow to amazing St. Petersburg. *Price: from \$2,595 per person**



Alumni College in Ukraine

July 26–August 8, 2007

Discover the wonders of Ukraine during an 11-day, 10-night cruise through the heartland of this venerable country, rich in majestic history, monuments, churches and museums and now infused with a vibrant, modern energy and the excitement of change. *Price: from \$1,895 per person**

** prices are based on double occupancy and do not include airfare*



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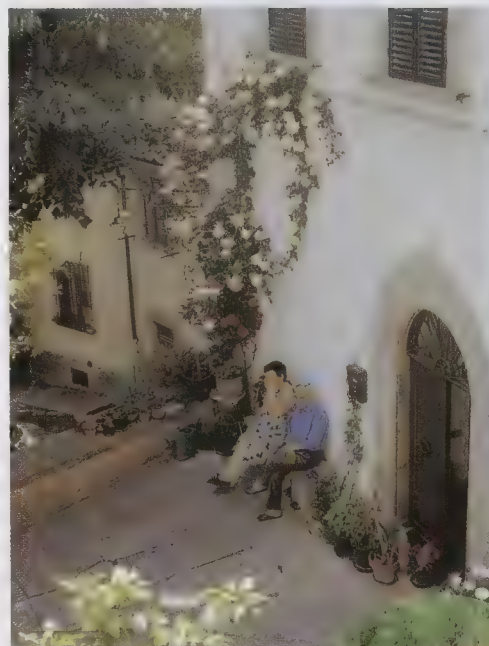
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*Here's what
some 2006
participants
had to say:*

"...it was a wonderful experience... the location — perfect. The food — fantastic."

"The digital camera course information and instruction were excellent."

"We have both travelled a fair bit and agree that this trip was one of the best we have taken."



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1 From left to right, **Roy Orvis**, '56 BSc, '58 MSc, and **Marina Orvis** travelled from New York to attend Reunion 2006. Here they are pictured with **Peter Markowski**, '63 BA, '67 Dip(Ed); **Joan Markowski (Krupa)**, '56 BSc(HEc), '71 BEd, '88 Dip(Ed); **Kathleen McCalla (Gardiner)**, '56 BSc(HEc); and **Dennis McCalla**, '57 BSc.

2 Alumni at the President's Breakfast during Reunion 2006. 3 **Evelyn Cave**, '36 BA, and her daughter **Benita Anderson** at the Reunion Dinner. 4 **Jean Cooley**, '77 PhD, and **William Kent**, '31 BSc(Eng), at the Reunion Dinner. 5 **John S. Colter**, '45 BSc, holding his Distinguished Alumni Award

plaque at the Alumni Recognition Awards ceremony at the Winspear Centre. 6 **Wayne Maxwell**, '56 BCom, and **W. Ross Walker**, '56 BCom, recipient of an Alumni Honour Award, at the

Reunion Dinner. 7 1976 Bachelor of Physical Education grads at the Reunion Dinner. 8 1996 Mechanical Engineering alumni celebrating their 10-year graduation anniversary at the Reunion Dinner.



classnotes

'60 Robert Hedley, BEd, was awarded the Lifetime Achievement Award at the Barrymore Awards ceremony in Philadelphia in October in recognition of his contributions to the Philadelphia theatre community. The Barrymores are the region's major professional theatre honours.

At the U of A, Bob was very active in Studio Theatre. After teaching high school in Edmonton, he studied at the U of Texas and New York U, taught at U Victoria, and then moved to Philadelphia, where he has taught at various colleges and universities and is now a professor of theatre at Temple University's School of Communications and Theater. The Barrymore award recognized his work with theatre companies in Philadelphia and elsewhere. Although his directing credits span the country from the Marin Theatre Company in California to the Shakespeare Festival, Public Theater and La Mama in New York, it is in mentoring new and emerging playwrights and developing their work that Hedley has found the greatest rewards. Bob says he'd love to hear from any of his U of A classmates.

'62 Don Bishop, LLB, '61 BA, was named a public member of the 2006-07 council of the Institute of Chartered Accountants of Alberta.

'64 Elji Furuyama, MA, works in Japan as an instructor of micro- and macro-economics, international trade theories and business ethics. He took on this teaching work after retiring from a Japanese trading company called Mitsui & Co., where he worked for about 30 years as a representative of the company in countries including Brazil and Germany. "When Rod Fraser was the president of U of A," Elji notes, "we talked about organizing a small alumni gathering of those fellows who once studied economics or political science in the years of 1963-64. The idea has not been realized yet."

'67 Darwin Park, BPE, has been named first vice-chair of the 2006-07 board of directors of the United Way of the Alberta Capital Region.

Retired and living in North Saanich, B.C., **Ian Lindsay**, '49 BSc(Ag), '51 MSc, works on his golf handicap, gardening, and travelling with his wife, Doris, with whom he's been to the French Alps, Egypt, and various parts of North America.

Ian came to the U of A as a veteran of WWII and enrolled in the Faculty of Agriculture. Going to the U of A changed his life, he says, and gave him the foundation for a remarkable career. After he graduated he worked in field studies in Lethbridge, Alberta, and then at the Defence Research Board in Suffield, Alberta, where he researched personnel protection from biting flies. His specialized expertise saw him transferred to the



Ottawa headquarters of the Defence Research Laboratory, and also took him for three years in the late 1960s to the Canadian High Commission in London, England, as a scientific attaché.

During the last nine years of his career, Ian worked part-time with the World Health Organization in Geneva. For several months out of each of those nine years, Ian worked in the field in West Africa on the control of Onchocerciasis (river blindness), a parasitic infection of humans carried by the black fly. This project and the work of his colleagues eventually led to the discovery of a medication that has proven effective in controlling this debilitating disease.

Peter Yaremchuk, BCom, was named president of the 2006-07 council of the Institute of Chartered Accountants of Alberta.

'69 Oryssia Lennie, BA, federal deputy minister for Western Economic Diversification, has been named second vice-chair of the 2006-07 board of directors of the United Way of the Alberta Capital Region.

Adrian O'Sullivan, MA, of West Vancouver, B.C., was admitted in fall 2006 as a PhD candidate in German Intelligence History at Simon Fraser U, at the youthful age of 65. After retiring from NAIT in 1998, Adrian taught English literature in Jeddah, Saudi Arabia, and attempted retirement in Cambridge, England, before finally deciding that the west coast of B.C. was "by far the best place to be...rain or shine."

Anne Stang, BLS, is the Calgary representative for the Canadian Hemochromatosis Society, helping to educate people about iron overload.

'70 Don Pether, BSc(Eng), has been appointed chair of the board of governors of Dofasco Inc. of Hamilton, Ontario. Dofasco is a leading North American steel mill.

Margaret Welwood (Bamford), BA, '89 Dip(Ed) edited *To Teach, To Learn, To Live: The Complete Diabetes Education Guide for Health Care Professionals* by Diane O'Grady (Healthy Self, 2006). The book addresses the health care professional's need to present complex information about diabetes prevention and care at the patient's level. A full-time English as a second language instructor and part-time writer and editor, Margaret also wrote the home page copy for the web site that features the book, diabeteseducationconnection.com.

'71 Bonnie Kirschenbaum, BSc(Pharm), of Colorado, was

named a 2006 Practitioner Fellow by the California Society of Health-System Pharmacists. Bonnie has a master's in hospital pharmacy administration from Ohio State U.

'73 Doug Thomson, BCom, was named to the 2006-07 council of the Institute of Chartered Accountants of Alberta.

'74 John Chittick, BSc(Ag), recently moved from B.C. to Hood Canal on the Olympic Peninsula in Washington.

Dereka Thibault, BCom, was named to the 2006-07 council of the Institute of Chartered Accountants of Alberta.

'76 Eugene J. Miller, MEd, recently retired after serving various communities as a superintendent of schools for over 26 years. His retirement includes piano lessons, volunteer service, and some contract work with schools and government agencies.

A trailblazer home economist, **Wendy Sanford**, '56 BSc(HomeEc), worked with Corning Canada Inc. for 33 years, starting shortly after she graduated from the U of A. At Corning she promoted products—she introduced the microwave oven to legendary Canadian cookery expert Madame Benoit, who dedicated her first microwave cookbook to Wendy in appreciation—and also did public relations and liaison with food-related companies. She advanced through the management ranks to become Corning Canada's first female manager of consumer relations and marketing services as well as the company spokesperson.

Wendy's family has long U of A connections. Her grandfather William John Tregillus owned the brick plant that supplied the bricks for the Faculty of Arts building in 1912.

Her mother, **Muriel Tregillus**, '20 BA, '22 MA, was the assistant registrar at the U of A, and Wendy's father, **Guthrie Brown Sanford**, '20 BSc(Ag), who received his PhD from the U of Minnesota, was the officer-in-charge of the Federal Department of Agriculture's Plant Pathology Lab at the U of A from 1927 to 1956. He also served as president of the Alumni Association and as a member of both the University senate and board of governors. Wendy's sister, **Eleanor Currie (Sanford)**, '51 BSc(HomeEc), '56 BEd, also went to the U of A. Eleanor passed away in 2004.

Now retired, Wendy lives in Toronto, where she is an avid curler and a volunteer for the Toronto Symphony Orchestra.

"People are often surprised that we could work together so well while being married to each other," says **Anne Geddes-Atwell**, '64 BA, about a recent book she worked on with her husband, Jim Atwell. "We have different working styles, and this was our first mutual project. But everything clicked, and we had great fun, too."

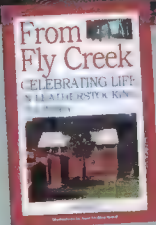
The project was *From Fly Creek—Celebrating Life in Leatherstocking Country*, written by Jim and illustrated, designed and typeset by Anne.

Anne readily credits her success through her career to a good start at the U of A. "I came to the University to study art in 1961. Back then, the department was small, but the chairman, Mr. Glyde, encouraged me in every way. He even helped with photographing my work when I asked about going to graduate school. At that time, there were no graduate degrees given in studio art in Canada, so he suggested I apply to the State University of Iowa."

Anne obtained an MA in painting and drawing from Iowa and then her MFA in painting, drawing and art history at the U of Cincinnati. After graduate



Cooperstown Center



school she moved to Annapolis, Maryland, where she taught at two community colleges. She taught design and illustration at the U of Maryland and later opened a graphic design business in Annapolis. She and Jim now live in Fly Creek, in rural New York State.

"My U of A education certainly was the touchstone for the rest of my life... graduate school, teaching art at colleges and universities, starting a graphic design company, and now, this book project. I am grateful for the foundation the University gave me both in art and in its general education." Anne said that taking biology and chemistry classes beside pre-med students was an example of the rigorous workload that was expected of her. And good news! The publisher is so pleased with the first book that they want to produce a sequel.

'77 E. Dianne Allen, BCom, community relations director at EPCOR, has been appointed to the Red Deer College Foundation Board.

Howie Shikaze, BCom, was named vice-president of the 2006–07 council of the Institute of Chartered Accountants of Alberta.

'78 Diana Louise Anderson, BA, received the Centennial Medal in November 2005 from Alberta Lieutenant Governor Norman Kwong. Diana, who works at the Red Deer and District Museum, was nominated by the Alberta Museums Association.

Don Davies, LLB, was named a partner at the Calgary office of McCarthy Tétrault. Don practises in the oil and gas regulatory area.

Cathal J. Nolan, BA, will be leaving Boston University where he was a professor of history for 11 years, on January 1, 2007, and will begin service as president of the Theodore Roosevelt Association. In April 2006, the first two volumes of a 10-volume encyclopedia Cathal is writing were published by Greenwood Press. Volume I is entitled *Age of the Wars of Religions, 1000–1650*, and Volume II is *Encyclopedia of Global Warfare and Civilization*.

To celebrate the province's centenary in 2005, the Alberta Fish and Wildlife Historical Society published a beautiful and comprehensive book about the history of fisheries and wildlife management in Alberta. *Fish, Fur and Feathers: Fish and Wildlife Conservation in Alberta 1905–2005* is a detailed and innovative history of successful fish and wildlife management.

The Society describes itself as "a ragtag band of fish and wildlife enthusiasts, working and retired." Several of the contributors were students or faculty members of the U of A. **Bill Wishart**, '56 BSc, '58 MSc, says if he was the "gas" behind the project, **Petra Rowell**, '86 BCom, '90 BSc, and **Margo**

Pybus, '83 PhD, were the "spark-plugs." Other members of the Society who are also U of

A alumni include **Blair Rippin**, '62 BSc, '70 MSc; **Don Meredith**, '75 PhD; **Ernie Ewaschuk**, '68 BSc, '70 MSc; and **Gordon Kerr**, '65 MSc. The book is available at the U of A bookstore, Chapters, and through the website of the Federation of Alberta Naturalists (www.fanweb.ca)—follow the *Fish, Fur, and Feathers* link on the main web page. Money from the sale of the book will go back into a fund for future projects.



'80 Kerry Day, LLB, was named a director on the 2006 board of directors of the Edmonton Space and Science Foundation.

Rhonda Dorren, BSc(Pharm), was appointed vice-president, government, corporate affairs and business development, at Gennium Pharma Inc.

Barry James, BCom, was named secretary of the 2006 board of directors of the Edmonton Space and Science Foundation.

Tom McGhan, BSc(Eng) has been appointed vice-president, project engineering, at ATCO Power Canada Ltd.

Arthur Smith, MLS, was named acting manager of the Royal Ontario Museum Library and Archives and will continue in that capacity until 2007. His research on the 19th-century Nova Scotian missionary to the South Pacific, the Reverend Joseph Annand, appeared in *Canadian Missionaries, Indigenous Peoples*, published in 2005 by the U of Toronto Press.

'81 Brian Vaasjo, MBA, '78 BEd, has been named chair of the 2006–07 board of directors of the United Way of the Alberta Capital Region.

'82 Scott Garvey, BCom, has been appointed executive director, oil and gas, for Accenture Inc. He

has also assumed the role of managing director, Alberta, for Accenture.

Colette Miller, BCom, was named to the 2006–07 council of the Institute of Chartered Accountants of Alberta.

Gord Syme, BPE, was named a director of the 2006 board of directors of the Edmonton Space and Science Foundation.

'84 Robert Iles, PhD, of Australia, will retire at the end of 2006 after 13 years as principal of The Scots College in Sydney, Australia. During his principalship, The Scots College has grown from 1,250 to over 1,600 boys. Dr. Iles was recently awarded an Order of Australia.

Jeffrey Lowe, BSc(Eng), is now living in Tampa, Florida, and works with BPB America, the world's largest manufacturer of gypsum wallboard. He is the senior electrical/automation engineer in charge of specifying electrical, instrumentation, automation, and communications systems for two new large wallboard plants being built in the eastern U.S.

'86 Steven Burtch, MSc, and his family will relocate to Singapore from Philadelphia/Wilmington where he will be president, Asia Pacific, for DuPont Safety Resources, a consulting and service business. Steven also will remain vice-president of the global energy practice.

James McNamara, Dip(Ed), '79 BEd, was recently appointed superintendent of schools for St. Thomas Aquinas Catholic Schools, based in Leduc, Alberta.

Ellen Patterson, BSc(Pharm), participated in the fourth annual Weekend to End Breast Cancer in September. The 60-km walk/run event raises funds for education, research, and equipment for the treatment of breast cancer.

'87 Dan Cavanagh, BEd, received the "Excellence in Teaching" award from Alberta Education, was named "Principal of the Year" by the Greater Edmonton Regional Council of School Administrators, and the school where he is principal was named "One of Canada's Top 40 Schools" by *Today's Parent* magazine (September 2005).

Ed Chell, BSc(FdSci), of Sherwood Park, AB, is a chaplain with the Good Samaritan Society in Edmonton.

Ross Mitchell, BSc(Forestry), '05 PhD, has joined Stantec as a sen-

ior consultant in the Environmental Management group in the firm's Edmonton office.

On October 24, University of Alberta alumnus and long-time employee **David Mitsui**, '83 MA, received high praise from the Canadian Parks and Recreation Association when it awarded him its Citation for Outstanding Achievement in recognition of his contribution and leadership in the field of recreation in Canada.

Mitsui, who is the practicum advisor in the Faculty of Physical Education and Recreation at the U of A, has a long history of service in the field of recreation.



He has volunteered for both the Alberta Recreation and Parks Association and the Canadian Parks and Recreation Association and has been a driving force behind two national recreation initiatives: the Playground Safety Initiative, developed in conjunction with the Canadian Standards Association to create standards for playground construction, and an initiative called Everybody gets to Play, designed to make recreation more accessible to children and youth living in poverty.

ior consultant in the Environmental Management group in the firm's Edmonton office.

'88 Josephine (Jo) Milne-Home, PhD, recently received a national award for excellence in tertiary teaching from the Carrick Institute for Learning and Teaching in Higher Education. She was recognized for her work at the U of Western Sydney in Australia on strategies to enhance student engagement.

Scott Watson, LLB, '82 BCom, of Edmonton, became president of the Alberta branch of the Canadian Bar Association in June 2006.

'91 David Mohr, BA, recently moved his law practice to the firm Savage Silver Kiss & Virk in downtown Calgary and writes, "I would be pleased to hear from friends and classmates at that new location."

'92 Peter Augustin, BCom, works at Enbridge Pipelines as an Oracle system administrator. His wife, **Tracy Renz Augustin**, '93 BA, returned to work for the government of Canada—Service Canada—in September after having the couple's second son, Adam, a brother to three-year-old Erich.

Stephen Cutting, BA, has been named vice-president, operations, for West-End Registries and Callingwood Registries in Edmonton.

John Tyler, BA, of Toronto, had his first novel—*Lying with Chiyo*—published in 2006.

'93 Vi Becker, BA, was named a member of the 2006 board of directors on the Edmonton Space and Science Foundation.

Mal Rai, BCom, and **Daisy Rai (Khunkun)**, '99 BSc(Nu), are pleased to announce the birth of twins Devaun and Layla. "We welcomed our first children on Father's Day 2006."

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Faculty of Science University of Alberta

Announcement

Faculty of Science Research Award

We are seeking nominations for the Faculty's most promising young scientists for this annual award, which recognizes outstanding research achievement.

Nominees must have obtained their doctorates in 1995 or later.

Deadline:

January 15, 2007

For details of eligibility and conditions, contact:

Dr. Renée Elio

Associate Dean (Research)
ree@cs.ualberta.ca
(780) 492-3169

or

Crystal Moore

(780) 492-7488
crystal.moore@ualberta.ca

Faculty of Science Award for Excellent Teaching

We are seeking nominations from students and departments in the Faculty of Science for this annual award for individuals with outstanding qualities in undergraduate teaching.

Deadline:

January 19, 2007

For details of eligibility and conditions, please contact:

Dr. Brenda Leskiw

Associate Dean
bleskiw@ualberta.ca
(780) 492-9452

'94 **Navin Arora**, BSc, was named a member of the 2006 board of directors of the Edmonton Space and Science Foundation.

Melanie Litoski (Robertson), BCom, was recently appointed chief financial officer of FirstBus Canada Limited, based in Calgary. Melanie lives in Airdrie with her husband and three children.

'95 **Brad Ferguson**, BCom, '92 BA, was named vice-chairman of the 2006 board of directors of the Edmonton Space and Science Foundation.

Shawn Wasel, MSc, '89 BSc, was named a member of the governing council of Athabasca U.

'96 **Jamie Lucien**, MSc, '92 BSc, was named an associate lawyer at Parlee McLaws LLP.

Liza Sunley, BEd, has been volunteering over the past few years to promote education and fundraising for ovarian cancer treatment. As a volunteer with the National Ovarian Cancer Association Liza has shared her experiences as a survivor of ovarian cancer. "It is now my personal mission to use my skills to make others aware of ovarian can-

cer since it has extremely vague symptoms and is relatively rare compared to diseases that receive more profile." Liza chaired the organizing committee for the inaugural Wake Up Canada! ovarian cancer awareness breakfast benefiting Ovarian Cancer Canada in 2005 and again in 2006. "I am very proud that Edmonton is one of only three cities in Canada to host the breakfast (the others are Vancouver and Montreal.)"

'97 **Tim Boston**, BA, was named a member of the 2006 board of directors of the Edmonton Space and Science Foundation.

Corey De La Mare, BSc, has been appointed an associate at Golder Associates, an employee-owned, international group of consulting companies providing environmental science and ground engineering services. Corey is also a director of the Alberta Society of Professional Biologists.

'98 **Michael Clark**, MFA, '89 BA, assumed the duties of artistic director of Edmonton's Workshop West Theatre in July. Michael had been artistic director at Nakai Theatre in Whitehorse, Yukon, since 1999.

Warren Schaffer, MSc, and **Kerrin Schaffer (Stilwell)**, '98 BSc(Nu), are proud to announce the birth of their son, Ian Michael.

'99 **Chad Robinson**, MBA/MAG, '97 BSc(Env&Cons), recently accepted the vice-president (finance) position at PaceSetter Directional and Performance Drilling, Ltd.

Jason Howg, LLB, is a lawyer and registered patent agent practising in the intellectual property and information technology areas with Borden Ladner Gervais LLP. He recently became a partner at BLG and lives in Calgary with his wife and two boys.

Shirley Schipper, MD, '95 BSc, is a family physician and accepted a faculty position with the Department of Family Medicine at the U of A four years ago. "I am the director of the Grey Nuns Family Medicine Centre, an academic teaching site for family medicine residents and medical students. I am also doing my master of clinical science from the U of Western Ontario. My husband, **Tim Nerdahl**, '95 BEd, and I just celebrated our 10-year wedding anniversary, and we have an eight-month-old daughter."

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In Memoriam

The Alumni Association notes with sorrow the passing of the following graduates:

'27 **Berta C. Harrison (Gazley)**, BA, of Winnipeg, MB, in June 2006

'34 **Winston Alexander Johnstone**, BSc, '37 DDS, of Vernon, BC, in May 2006

Ruth Schrag, BA, of Edmonton, AB, in July 2006

'35 **Donald Allan Freeze**, BSc, of Surrey, BC, in August 2006

Madeline Florence Freeman, BA, of Toronto, ON, in July 2006

'37 **William R. McCalla**, BSc(Pharm), of Penticton, BC, in August 2006

John Graham MacLennan, BA, '40 MD, of Dundas, ON, in August 2006

'38 **Marjorie Bowker**, BA, '39 LLB, '91 LLD (Honorary), of Edmonton, AB, in August 2006

'39 **Margaret Findlay**, BSc, of Edmonton, AB, in October 2006

Mary Haug, BSc(HEC), of Kelowna, BC, in July 2006

'40 **Robert Edward Pow**, BA, '43 MD, of Calgary, AB, in June 2006

Aileen Mary Aylsworth, Welgan BA, '45 BEd, of Seattle, WA, in July 2006

'42 **Robert Joseph Torrance**, BCom, of Queenston, ON, in April 2006

'43 **John Allan Brownlee**, BSc(Eng), of Surrey, BC, in June 2006

Howard Wendel Buchner, BA, of Toronto, ON, in May 2006

'45 **A. Louise Morrison**, BSc, of Comox, BC, in April 2006

Warren Earle Doze, BSc(Eng), of Kitchener, ON, in July 2006

'46 **Bernard "Bud" Spaner**, BSc, '48 BEd, of Edmonton, AB, in April 2006

John E. Mayhood, BSc, '49 MSc, of Kelowna, BC, in October 2006

'47 **Margaret Anna Millar (Smathers)**, BEd, '71 MEd, of Edmonton, AB, in September 2006

Eleanor Simpson, BEd, of Topeka, Kansas, in July 2006

George Hodge, BSc(Eng), of Edmonton, AB, in June 2006

'48 **Margaret Anna Meiklejohn**, BA, '49 BEd, of Edmonton, AB, in September 2006

Frank Shymko, BEd, of Vegreville, AB, in August 2006

William Michael Poohkay, BSc(Pharm), of Edmonton, AB, in August 2006

'49 **Helen Audrey Reid**, BEd, '70 Dip(Ed), '71 MEd, of Edmonton, AB, in August 2006

Robert Gordon Erikson, BSc(Eng), of Edmonton, AB, in July 2006

Eleanor Ann Johnson (Macdonald), BSc(HEC), of Calgary, AB, in September 2006

William Dyfed Evans, BSc(Ag), '54 MSc, of Guelph, ON, in September 2006

Margaret McManus (Harrold), Dip(Ed), of Lamont, AB, in June 2006

John "Jack" Kenneth Armstrong, BCom, of Edmonton, AB, in April 2006

Evelyn Marie Andruski, Dip(Ed), of Edmonton, AB, in June 2006

Allan Robert Nicholson, BCom, of Calgary, AB, in August 2006

'50 **Spencer John Gallagher**, BSc, '54 DDS, of Surrey, BC, in July 2006

Ronald Lincoln Manz, BSc, of Calgary, AB, in August 2006

Martha Elizabeth Hanson (McCoy), BSc(HEC), of Edmonton, AB, in October 2006

Rey Fuenning (Papoe), BSc(HEC), of Calgary, AB, in October 2006

Constantine Kosowan, BA, '51 LLB, of Edmonton, AB, in June 2006

Norma June Parsons, BSc(HEC), of Canmore, AB, in July 2006

'51 **Jacoba "Jackie" Van Dellen**, Dip(Nu), of Lethbridge, AB, in October 2006

'52 **Joseph Storcer**, MD, of Grande Prairie, AB, in June 2006

Thomas H. Pinder, BCom, of Calgary, AB, in May 2006

William Henry Smyth, BEd, of Edmonton, AB, in June 2006

George Harold John Porozny, BA, '55 BCom, '59 BEd, of Winnipeg, MB, in September 2006

Hugh Albert Coffin, BSc(Eng), of Edmonton, AB, in April 2006

'53 **George Mazurenko** BSc(Pharm), of Edmonton, AB, in June 2006

Jessie Ann Orme (Cashore), Dip(Ed), '54 Dip(Ed), '55 BEd, of Vancouver, BC, in June 2006

Robert Arthur Rosborough, BPE, '68 MEd, of Edmonton, AB, in March 2006

'54 **Donald Edgeworth Millar**, BEd, '66 MEd, of Edmonton, AB, in May 2006

Margaret Fitch (Ramsay), Dip(Nu), '55 BSc(Nu), of Edmonton, AB, in April 2006

'55 **Walter Edward Valentine Kupsch**, Dip(Ed), of Stony Plain, AB, in June 2006

William Cameron Wordie, BCom, of Edmonton, AB, in June 2006

'56 **Helen Pauline Martin (Sather)**, Dip(Ed), '85 BEd, of Glendon, AB, in August 2006

Presidential Salute

As our centenary approaches, we take a look at alumni past who stand out in our 100-year tradition of excellence.

Born in Lethbridge, Alberta, in 1919, **Constantine Kosowan**, '50 BA, '51 LLB, never got to meet his own father who died of influenza while his son was still in the womb. He was the youngest of six children his mother was raising alone until she remarried when he was four years old. That marriage brought three Dowbushes into the fold, followed by two other children borne of this second marriage, including Ron Dowbush, a minister at Parkland Community Church in Innisfail, Alberta, whose birth in 1931 relieved Constantine of being the baby of the large family.

"He was my idol," Dowbush told the *Edmonton Journal* upon the passing away of his brother in June of this year. "Everything he had, he earned every bit of it."

What he earned was, first an arts degree from the U of A, followed by a law degree — after serving in an administrative capacity in the Royal Canadian Air Force during World War II — that led him to establishing his own practice in Edmonton and eventually becoming chief judge of Alberta's provincial courts. He also remained active in his alma mater, serving on the Senate and the Board of Governors, as well as serving a term as president of the Alumni Association.

Coming from a large, close-knit family where money was scarce forced Kosowan to wear many hats to make ends meet before being called to the bar in 1952. Some of his many jobs included being

a magician's assistant, a tea-leaf reader, mail sorter, as well as guitar and violin player. It was while playing violin in a western band at a dance in Chipman, Alberta, that Kosowan met Nancy Antoniuk, a local beauty queen whom he courted and wed two years later and remained with for 65 years. It was at the urging of his wife that Kosowan enrolled at the U of A after the war, even though the couple had little money and a newborn son, **Gary**, '71 BCom, (another son, **David**, '77 BCom, would be born later).



In 1951, Kosowan was in court arguing his case before the judge in a car accident incident. Opposing him was an articling law student named **Ed Wachowich**, '53 BA, '54 LLB. Although he won his case, Kosowan was still impressed with the younger Wachowich's legal skill and proposed a partnership that became the law firm of Kosowan and Wachowich. The two became lifelong friends — Wachowich later followed in his partner's footsteps and became his successor as chief judge — as well as the instigators behind the Kosowan-Wachowich

Wild Game Dinner, which annually raises about \$25,000 a year for various charitable organizations.

Kosowan always remembered his humble roots and acted in a unpretentious manner that belied his social status. His son David recalls his girlfriend (now his wife) being anxious about her first encounter with his father, but she was instantly put at ease when they pulled up to the house and found him playing the guitar with a beer beside him.

As David, now 50, told the *Journal*, "For his position, he was not egotistic. He was a very down-to-earth guy. He was also a mentor. A lot of law students would say the same thing."

'58 Roy Andrew Sikstrom, BSc(Eng), of Edmonton, AB, in August 2006

Leonard Leslie Kravinchuk, BA, of Edmonton, AB, in June 2006

Nicholas Ambrose Chodan, BEd, of St. Albert, AB, in August 2006

'59 Norma Parsons, BSc(HEc), of Canmore, AB, in July 2006

'60 Joan Stewart, Dip(Nu), of Grande Prairie, AB, in July 2006

'61 Donald Allan Butler, BSc(Pharm), of Red Deer, AB, in February 2006

'64 R. Lyle Ward, BSc(Eng), '66 MSc, of Nanaimo, BC, in September 2006

James Kulak, BSc, '68 MD, of Edmonton, AB, in February 2006

'65 Deryk Harry Thorn, BCom, of Edmonton, AB, in September 2006

William W. MacGillivray, MA, of Island View, NB, in September 2006

Douglas Anders, Dip(Ed), of North Adelaide, Australia, in July 2006

'67 Peter Lindsay, MA, '69 PhD, of Calgary, AB, in June 2006

'70 Arthur Henry Querengesser, BEd, of Edmonton, AB, in July 2006

Gordon Ernest Rogers, BEd, of Edmonton, AB, in July 2006

'75 Tony Canning, BSc(Eng), of Ashton, ON, in June 2006

Muriel Margaret Jessie Lugg, BEd, of Mannville, AB, in July 2006

'76 Dorothy Evelyn Heppler, BA, of Edmonton, AB, in August 2006

Mariann Elizabeth Befus, Dip(RM), '82 BSc, of Calgary, AB, in May 2006

Cheryl Lee Querengesser, BEd, of Edmonton, AB, in June 2006

'79 Mustafa Oguztorelli, BSc, '84 MSc, '93 MBA, of Edmonton, AB, in April 2006

Glenda Paisley, BA, '82 BSc(Nu), '92 Dip(Ed), of Edmonton, AB, in June 2006

'91 David Robert Geeson, BCom, of Beaumont, AB, in April 2006

'92 Shelly Lynn Mrkonjic (Skawronski), BEd, of Edmonton, AB, in September 2006

Michelle Waritsky, BA, of Calgary, AB, in September 2006

'01 Christine Welton, BSc, '05 MEd, of Edmonton, AB, in September 2006

'02 Tom Brodribb, BSc(Eng), of Canmore, AB, in July 2006

'03 Shelley Bibby, BA, of Fort Saskatchewan, AB, in August 2006

Alumni interested in submitting remembrances about U of A graduates can send a text file to alumni@ualberta.ca. Tributes are posted on the 'Memory Lane' webpage at www.ualberta.ca/alumni/memorylane

'00s
'02 Neil Verkland, BSc, writes from Port Coquitlam, B.C., that he was director of development for Electronic Arts Canada and, before that, was the manager of Learning and Information Systems for Grant MacEwan College. Now, while he is between computing contracts, he and his family are enjoying the slow pace of life for a few months. "One day I hope to return to the U of A for a master's degree in math, and I hope to make Alberta my home again soon."

'03 Val Brandham, BEd, a teacher with Wetaskiwin Regional Public Schools, recently spent a week volunteering in Austin, Minnesota, to help new immigrants improve their English language and study skills. Val worked primarily with three- to seven-year-olds. The volunteer program was coordinated by Global Volunteers based in St. Paul, Minnesota.

Rodney Chudyk, BCom, and **Fancy C. Poitras**, '05 BA, have moved to Burnaby, B.C. Rod has taken a technical writing position with Klein Systems Group, while Fancy prepares to apply to Simon Fraser U's master of public policy program.

Gregory Stadnyk, BCom, has been named a partner at the Calgary office of Paradigm Capital Inc. Gregory works in the area of energy investment banking at Paradigm, an independent institutional equity dealer.



Eight past students of the University of Alberta entered the Pennsylvania College of Optometry's (PCO) Doctor of Optometry program in fall 2006. One of 17 accredited optometry programs in the nation, PCO graduates 90 percent of the practicing optometrists in Pennsylvania and 20 percent nationwide.

The new professional students are: (pictured left to right) Top row: **Raman Bhakhri**, '06 BSc, **Ricky Gurprasad**, '05 BSc, **Andrew Kim**, '06 BSc, and **Amrita Mahal**. Bottom Row: **Sheila Poon**, '06 BSc, **Alexandria Wong**, **Kristen Woyonowski**, '05 BSc, and **Navjot Aujla**, '06 BSc.

'04 Kristy Baillie, BA, works in the Faculty of Native Studies at the U of A. "I began as the faculty's receptionist in 2004 and have progressed to a junior role in recruitment and external relations. I never thought when I graduated that I would still be on campus, but what an awesome place to work!"

Nadean Ollech, BA, manages a website for writers and writers at heart. The site, www.sparkle-sofhappiness.com, gives informa-

tion on publishing, permits postings, and is a community to encourage dreams. Nadean notes, "I started at the U of A as an older student and truly did not know what I wanted to do with my life, but with a couple of great teachers and some interest I found myself taking classes not knowing where they would lead. Even though I did not study writing I believe that something in the process of attending the U of A has allowed me to find my true path."

Don't wait 'til your 50-year reunion to come back to the U!

We've got a ton of great classes, parties, and discounts for our younger alumni.



Upcoming events:

January 17: FREE Debt Management Seminar
Pay back your student loans *and* buy groceries!

February 14: Impress your Valentine

You and your date are invited to a romantic pre-show reception and performance of *The Clink* by Stephen Jeffreys. Tickets: for you? Ten bucks.



Check www.uofaweb.ualberta/youngalumni for all the details, or call Chloe at (780) 492-7726.





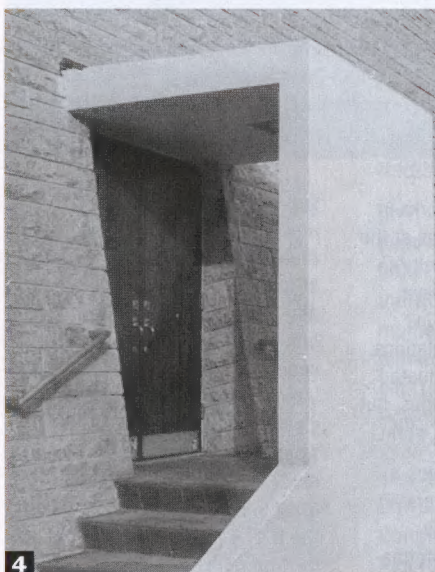
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Doors of Perception

Where do all these doors lead? That's what we're asking you. There's a prize at stake for the person who can correctly identify all of the buildings to which these doors belong.

The last time we awarded away a prize—actually two—for correctly identifying something (the “Thingamajig” in Tuck Shop Summer '06) we gave away a couple pretty nifty deluxe Debco wine kits that the recipients were darn glad to get. We're not saying what the prize is this time (we like to keep the “prize” in surprise), but you can bet it'll be something you can treasure for a lifetime... or at least re-gift to someone you really like and admire.

If more one than one person correctly identifies all the buildings the doors are attached to or if there's a tie for the

most correct answers, we'll put the names in a hat and draw a winner. Good luck, enter-away, and happy door prize hunting.

Tear out this page or write your answers on a separate sheet of paper and send your answers to *New Trail*, 6th Floor, General Services Building, University of Alberta, Edmonton, Alberta, Canada, T6G 2H1. Or you can e-mail your answers to alumni@ualberta.ca

1 _____ 2 _____

3 _____ 4 _____

5 _____ 6 _____

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Your forest...

...is an increasingly busy place.

There are people camping, hiking, cycling, using ATVs, horse-back riding, hunting, trapping, and fishing. Industry is harvesting trees, extracting oil and gas, and mining. Communities within the forest are expanding at a rapid rate.

Many Albertans are concerned about the cumulative impact of all this activity. So are we. That's why the forestry industry is continually working to enhance our forest management practices and we are improving the way we coordinate and plan in cooperation with other industrial users of the forest. Our integrated land management efforts will go a long way towards minimizing the impact our economic activities have on the land and the environment.

Assurance that forestry companies are working in a responsible manner is confirmed three ways:

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Public Advisory Groups—members of the public and stakeholder groups are invited to participate in committees that provide input into forest management plans, and monitor the performance of forest companies against those plans.

Certification—independent, third party auditors monitor a forest company's performance against established criteria such as protecting soil and water, maintaining biodiversity, and harvesting at sustainable rates.

We know the health and vitality of the forest is important to all Albertans, including those of us who live and work in forest communities. Our commitment to you is implementing forestry practices that will ensure the forest remains a significant part of our landscape.

For more information about forests in Alberta, please visit www.yourforest.org



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